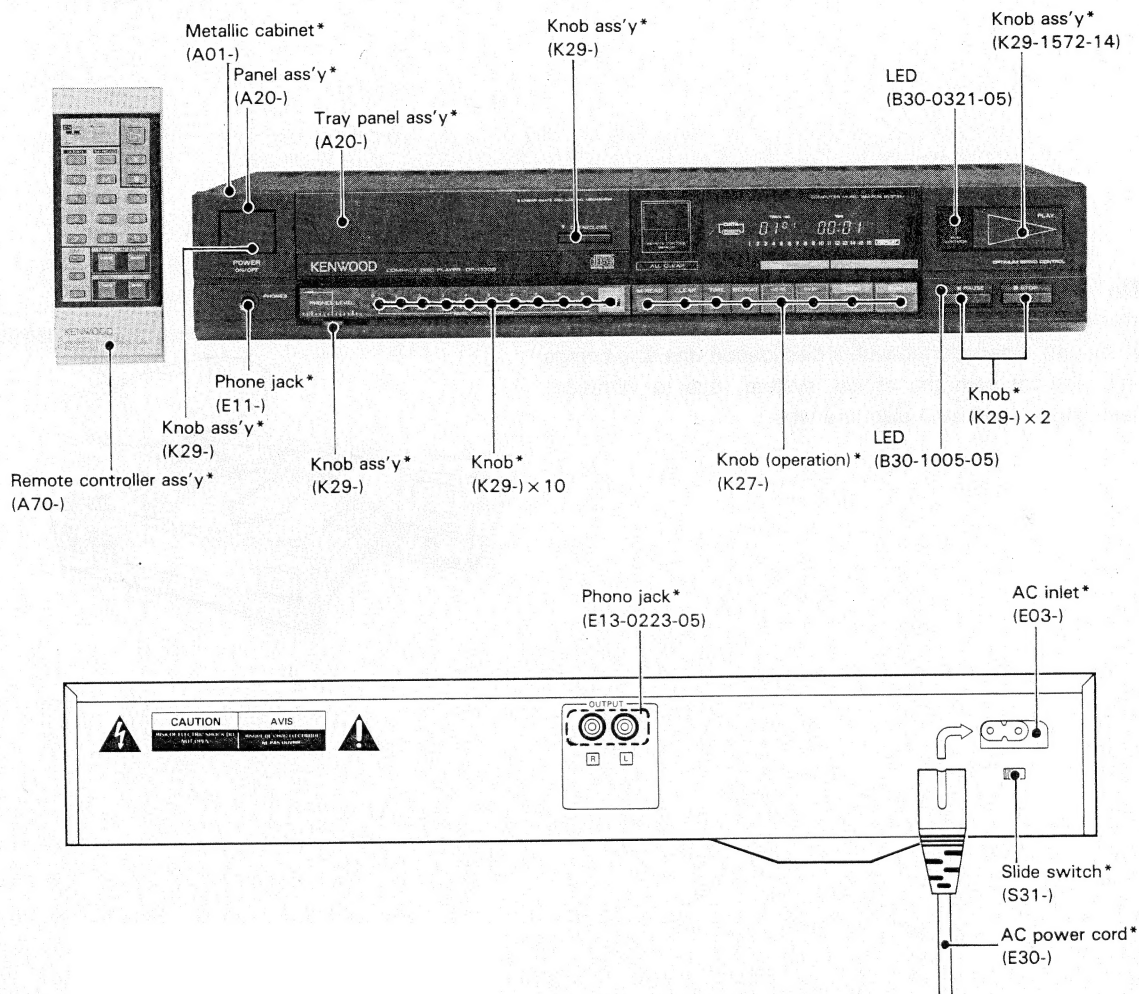


KENWOOD

DP-1100 DP-1100B

COMPACT DISC PLAYER

NOTE: For adjustment and troubleshooting, refer to the revised edition of the DP-1100/B Service manual.



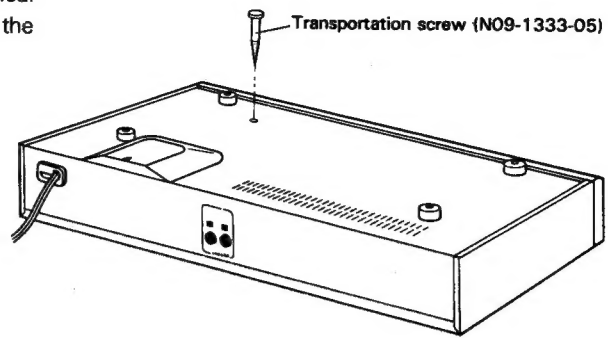
TRIO-KENWOOD Corp. certifies this equipment conforms to DHHS Regulations No. 21 CFR 1040.10, Chapter I, Subchapter J.

DANGER: Laser radiation when open and interlock defeated.
AVOID DIRECT EXPOSURE TO BEAM.

*Refer to parts list on page 12.
Photo is DP-1100B

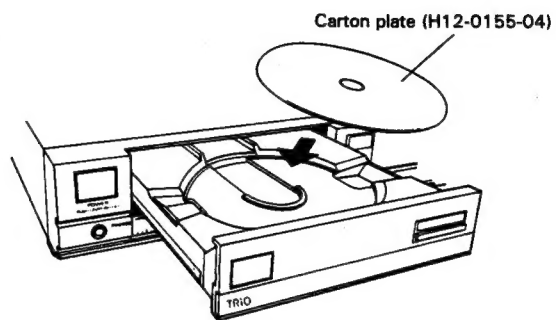
NOTES ON TRANSPORTATION

1. **When transporting the unit, be sure to install the transportation screw.** The screw secures the optical system and mechanism. Transporting the unit without the transportation screw may damage them.

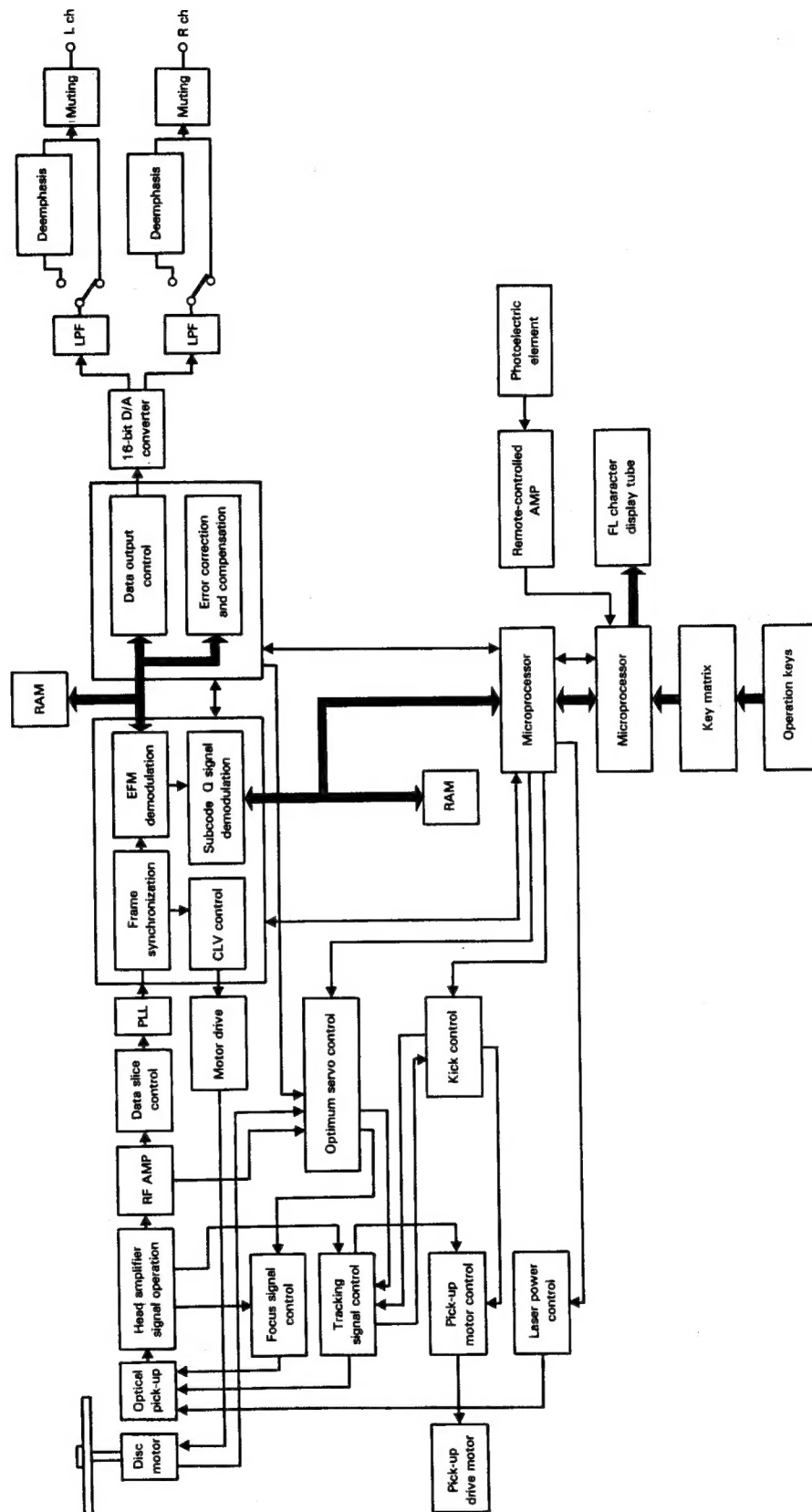


scratched.

2. **Do not transport the unit with a disc loaded. When transporting the unit, be sure to load a protection plate.** If the unit is transported with a disc loaded, the disc comes into contact with the optical system, due to vibration, resulting in scratched disc and lens.



BLOCK DIAGRAM



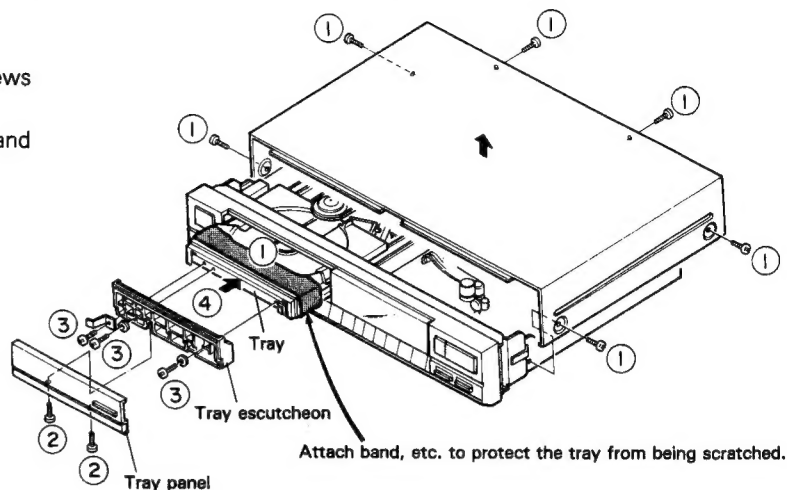
DISASSEMBLY FOR REPAIR

Removing case

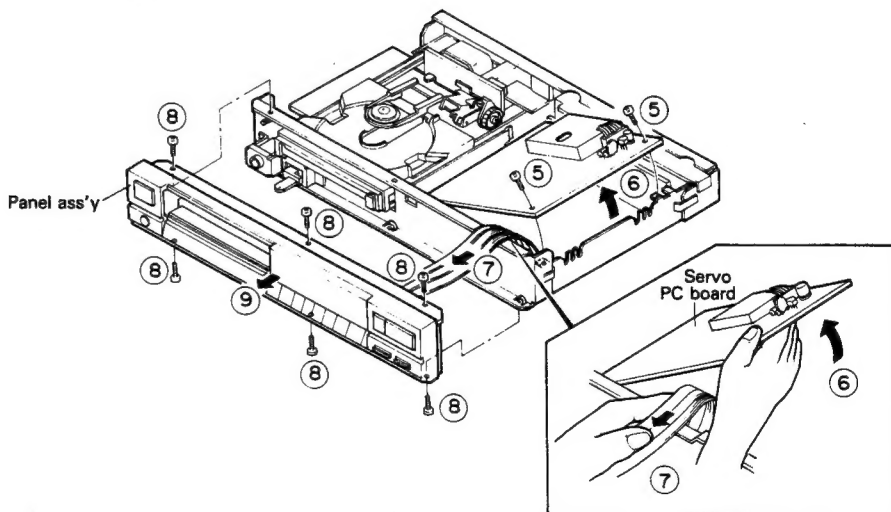
1. Remove each set of 2 screws from right, left and rear sides ①.

Removing panel ass'y

1. Remove the case ①.
2. Open the disc tray, remove 2 tray panel retaining screws ② and take out the tray panel.
3. Remove 3 tray escutcheon retaining screws ③ and remove the escutcheon.
4. Manually close the tray ④.



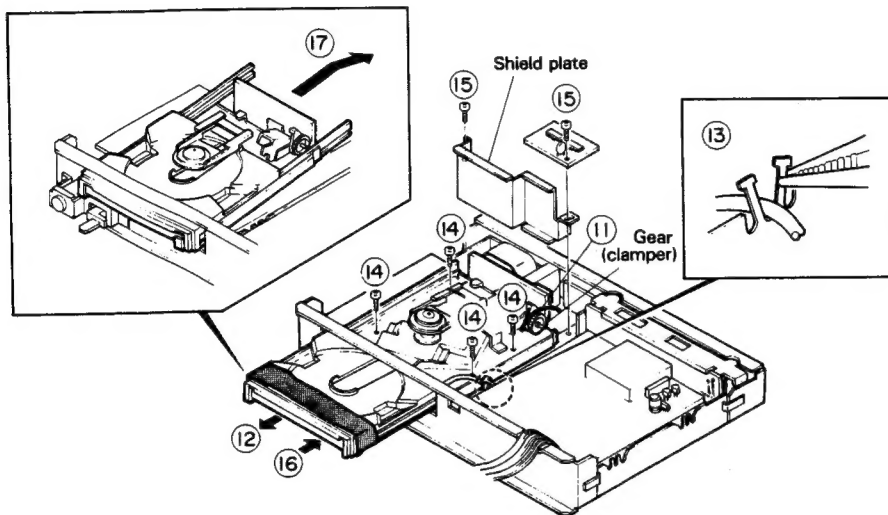
5. Remove 2 screws ⑤ securing the servo PC board (X29-1520-00), lift up the right side of the PC board ⑥ and take out the panel ass'y flat cable frontwards ⑦.
6. Remove 6 panel ass'y retaining screws ⑧ and pull out the panel ass'y frontwards.



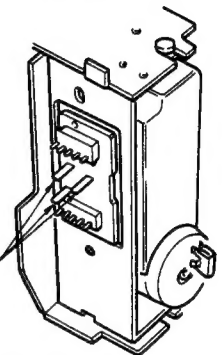
DISASSEMBLY FOR REPAIR

Removing mechanism ass'y

1. Remove case ①.
2. Remove the panel ②—⑨.
3. Manually rotate the gear (clamber) to the rear and open the tray ⑫.
4. Raise the lead clamber ⑬ of the tray switch with pliers, etc. and remove 4 screws ⑭ securing the mechanism ass'y.
5. Remove 2 screws ⑮ securing the shield plate.
6. Manually close the tray ⑯ and, lifting up the rear side of the mechanism ass'y ⑰, take out the mechanism ass'y.



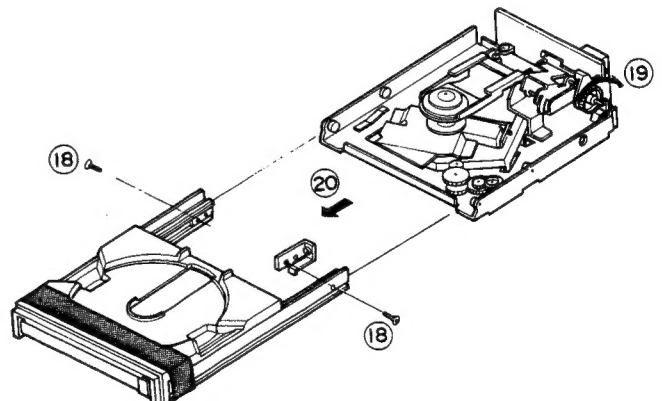
Pickup



*Do not touch these terminals unless required.

Removing tray

1. Remove the mechanism ass'y ①—⑰.
2. Remove 2 stopper retaining screws ⑱ with the tray closed and manually rotate the gear (clamber) ⑲ to take out the tray frontwards ⑳.



ADJUSTMENT

For connection of the measuring instrument, refer to the pc board on page 6.

NOTE: Be sure to turn the power off when connecting/disconnecting the connector.

No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ADJUSTMENT POINT	ALIGN FOR	FIG.
1	LASER POWER (1)	—	—	1. POWER: OFF 2. Pull out CN4 from Servo PC board (X29-1520-00). 3. Short pins 2 and 3 of J8 in mechanism PC board (J25-4404-08). 4. POWER: ON	—	—	
2	LASER POWER (2)	—	Laser power meter	POWER: ON	R128 (J25-4404-08)	Adjust so the meter reads 300 μ W.	(a)
3	PEAK DET BALANCE	—	Connect DC voltmeter to pin 8 of Servo PC board CN6.	POWER: ON	R118 (J25-4404-08)	Adjust so the meter reads 0 V.	
4	PICKUP HEIGHT (1)	—	Connect oscilloscope (AC 0.2 V/div) to pin 6 of Servo PC board CN6.	Disconnect the CN10 from Signal Process PC board. POWER: ON	R120 (J25-4404-08)	Adjust so the maximum output is obtained.	
5	PICKUP HEIGHT (2)	—	Connect DC voltmeter to pin 3 of Servo PC board CN3.	Play mode	Pickup adjusting screws A, B and C	Adjust so the voltmeter reads 0 V.	(b)
6	PICKUP TANGENTIAL DIRECTION	—	Connect oscilloscope (AC 0.5 V/div) to EFM pin of Servo PC board.	Play mode	Pickup adjusting screw B	Adjust for minimum jitter (the minimum fluctuation at the center of the waveform)	(b)
7	PICKUP RADIAL DIRECTION	—	Connect AC voltmeter to TE pin of Servo PC board.	Play mode	Pickup adjusting screw C	Adjust so the voltmeter reads minimum.	(b)
Repeat steps 5 ~ 7 several times.							
Connect CN10 to Signal Process PC board.							
8	FE BALANCE	—	Connect DC voltmeter to pin 1 ~ 4 of Signal Process PC board.	Play mode	R120 (J25-4404-08)	Turn the power off. Turn the power on again and adjust so that the level at each pin is L (less than 0.5 V) during playback.	
9	FOCUS GAIN	Type A disc	Jig MONITOR OUT: AC Voltmeter FS/TS OUTPUT: Servo PC board CN1 SW: BPF OUT SW: FS	Play mode	VR1 (X29-1520-00)	Adjust so the voltmeter reads 40 mV.	(c)
10	TRACKING GAIN	Type A disc	Jig MONI OUT: AC voltmeter FS/TS OUTPUT: Servo PC board CN1 SW: BPF OUT SW: TS	Play mode	VR2 (X29-1520-00)	Adjust so the voltmeter reads 40 mV.	(c)

REGLAGE

Pour le raccordement d'instruments de mesure se référer à la plaquette à la page 6.
REMARQUE: S'assurer de bien mettre l'appareil hors tension avant de connecter, déconnecter le connecteur.

No.	ITEM	RÉGLAGE D'ENTRÉE	RÉGRAGE DE SORTIE	RÉGLAGE DE LA LE CTURE	POINT D'ALIGNEMENT	ALIGNEMENT POUR	FIG.
1	PUISSANCE LASER (1)	—	—	1. HORS TENSION 2. Sortir CN4 de la plaquette de CI Servomécanisme (X29-1520-00). 3. Court-circuiter les broches 2 et 3 de la plaquette J8 de CI Mécanisme (J25-4404-08). 4. SOUS TENSION	—	—	
2	PUISSANCE LASER (2)	—	Compteur de puissance	POWER: ON	R128 (J25-4404-08)	Régler de manière à ce que le compteur indique 300 W.	(a)
3	COMPENSATION DET CRÊTE	—	Raccorder le voltmètre CC à la broche 8 de la plaquette de CI Servomécanisme CN6.	POWER: ON	R118 (J25-4404-08)	Régler de manière à ce que le voltmètre indique 0 V.	
4	HAUTEUR PHON- CAPTEUR (1)	—	Raccorder l'oscilloscope (0,2 V/div CA) à la broche 6 de la plaquette de CI Servomécanisme CN6.	Déconnecter le CN10 de la plaquette CI de Traitement des Signaux. SOUS TENSION	R120 (J25-4404-08)	Régler de manière à obtenir la sortie maximale.	
5	HAUTEUR PHONO CAPTEUR (2)	—	Raccorder le voltmètre CC à la broche 3 de la plaquette de CI Servomécanisme CN3.	Mode lecture	Vis de réglage A, B et C du phonocapteur	Régler de manière à ce que le voltmètre indique 0 V.	(b)
6	DIRECTION TANGEN- TIELLE DU PHONO CAPTEUR	—	Raccorder l'oscilloscope (CA 0,5 V/DIV) à la broche EFM de la plaquette CI Servomécanisme.	Mode lecture	Vis de réglage du phonocapteur B	Régler de manière à obtenir une instabilité minimale (la fluctuation minimale au centre de la forme d'onde)	(b)
7	DIRECTION RADIALE DU PHONO CAPTEUR	—	Raccorder l'appareil de mesure CA pour plaquette à la borne TE de la plaquette CI Servomécanisme.	Mode lecture	Vis de réglage du phonocapteur C	Régler de manière à ce que le voltmètre indique le minimum.	(b)
Répéter les étapes 5 à 7 plusieurs fois.							
Connecter CN10 à la plaquette CI de Traitement de Signaux.							
8	EQUILIBRE FE	—	Raccorder le voltmètre CC aux broches 1 – 4 de la plaquette de CI de Traitement de Signaux.	Mode lecture	R120 (J25-4404-08)	Mettre hors tension. Mettre à nouveau sous tension et régler de manière à ce que le niveau à chaque broche soit égal à L (inférieur à 0,5 V) au cours de la lecture.	
9	GAIN DE FOCALISATION	Disque type A	Montage MONITOR OUT: Voltmètre CA FS/TS OUTPUT: Plaquette de CI servomécanisme CN1 SW: BPF OUT SW:FS	Mode lecture	VR1 (X29-1520-00)	Régler de manière à ce que le voltmètre indique 40 mV.	(c)
10	GAIN D'ALIGNEMENT	Disque type A	Montage MONI OUT: Voltmètre CA FS/TS OUTPUT: Plaquette de CI servomécanisme CN1 SW: BPF OUT SW: TS	Mode lecture	VR2 (X29-1520-00)	Régler de manière à ce que le voltmètre indique 40 mV.	(c)

ABGLEICH

Für den Anschluß des Meßinstruments siehe das schaltplatte auf Seite 6.
HINWEIS: Beim Anschließen und Abtrennen von Steckern muß die Spannungsversorgung ausgeschaltet werden.

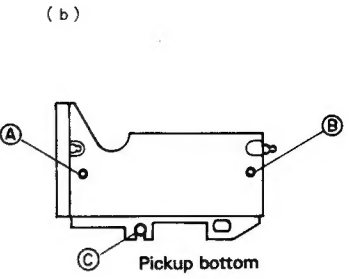
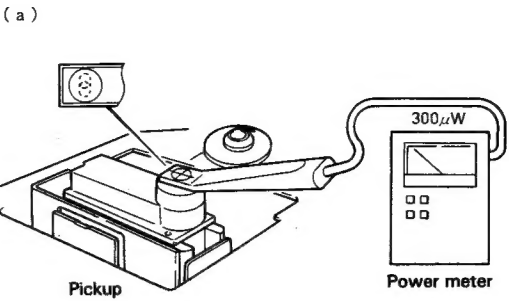
Nr.	GEGENSTAND	EINGANGS- EINSTELLUNG	AUSGANGS- EINSTELLUNG	SPIELER- EINSTELLUNG	ABGLEICH- PUNKT	ABGLEICHUNG	Abb.
1	LASERLEISTUNG (1)	—	—	1. POWER: OFF 2. CN4 aus der Servo-Schaltplatte (X29-1520-00) ziehen. 3. Stifte 2 und 3 der J8 ans Mechanismus-Schaltplatte (J25-4404-08) kurzschließen. 4. POWER: ON	—	—	
2	LASERLEISTUNG (2)	—	Laserleistung-Meter	POWER: ON	R128 (J25-4404-08)	So einstellen, daß das Meter 300 µW anzeigt.	(a)
3	SPITZEN-DET- BALANCE	—	Ein Gleichstrom-Voltmeter an Stift 8 der Servo-Schaltplatte CN6 anschließen.	POWER: ON	R118 (J25-4404-08)	So einstellen, daß das Meter 0 V anzeigt.	
4	AUFNEHMER-HÖHE (1)	—	Ein Oszilloskop (Wechselstrom 0,2 V/div) an Stift 6 der Servo-Schaltplatte CN6 anschließen.	Den CN10 von der Signalverarbeitung-Schaltplatte abtrennen. POWER: ON	R120 (J25-4404-08)	So einstellen, daß der maximale Ausgang erhalten wird.	
5	ABNEHMER-HÖHE (2)	—	Ein Gleichstrom-Voltmeter an Stift 3 der Servo-Schaltplatte CN3 anschließen.	Wiedergabe-Betriebsart	Abnehmer-Einstellschrauben A, B und C	So einstellen, daß das Voltmeter 0 V anzeigt.	(b)
6	AUFNEHMER- TANGEN- TIALRICHTUNG	—	Das Oszilloskop (Wechselstrom 0,5 V/div) an den EFM-Stift der Servo-Schaltplatte anschließen.	Wiedergabe-Betriebsart	Aufnehmer-Einstellschraube B	Auf minimalen Jitter (minimale Schwankung in der Mitte der Wellenform) einstellen.	(b)
7	AUFNEHMER- RADIALRICHTUNG	—	Das Wechselstrom-Voltmeter and den TE-Stift der Servo-Schaltplatte anschließen.	Wiedergabe-Betriebsart	Aufnehmer-Einstellschraube C	So einstellen, daß das Voltmeter Minimum anzeigt.	(b)
Die Schritte 5 ~ 7 mehrmals wiederholen.							
CN10 an die Signalverarbeitung-Schaltplatte anschließen.							
8	FE-BALANCE	—	Das Gleichstrom-Voltmeter an die Stifte 1 – 4 der Signalverarbeitung-Schaltplatte anschließen.	Wiedergabe-Betriebsart	R120 (J25-4404-08)	Die Spannungsversorgung ausschalten. Die Spannungsversorgung wieder einschalten und so einstellen, daß der Pegel an jedem Stift L (weniger als 0,5 V) ist während der Wiedergabe.	
9	FOKUS- VERSTÄRKUNG	Typ A Disc	Vorrichtung MONITOR OUT: Wechselstrom-Voltmeter FS/TS OUTPUT: Servo-Schaltplatte CN1 SW: BPF OUT SW:FS	Wiedergabe-Betriebsart	VR1 (X29-1520-00)	So einstellen, daß das Voltmeter 40 mV anzeigt.	(c)
10	SPURHALTE- VERSTÄRKUNG	Typ A Disc	Vorrichtung MONI OUT: Wechselstrom-Voltmeter FS/TS OUTPUT: Servo-Schaltplatte CN1 SW: BPF OUT SW: TS	Wiedergabe-Betriebsart	VR2 (X29-1520-00)	So einstellen, daß das Voltmeter 40 mV anzeigt.	(c)

ABGLEICH

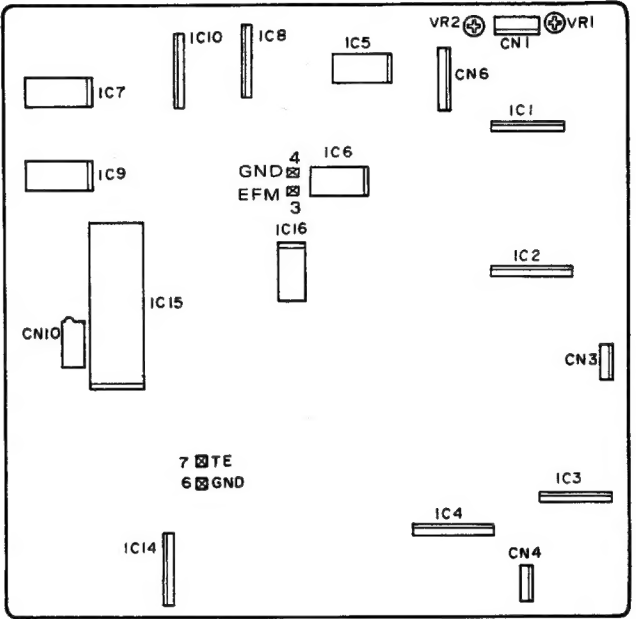
ADJUSTMENT POINT

Für den Anschluß des Meßinstruments siehe das schaltplatte auf Seite 6.
HINWEIS: Beim Anschließen und Abtrennen von Steckern muß die Spannungsversorgung ausgeschaltet werden.

Nr.	GEGENSTAND	EINGANGS-EINSTELLUNG	AUSGANGS-EINSTELLUNG	SPIELER-EINSTELLUNG	ABGLEICH-PUNKT	ABGLEICHUNG	Abb.
1	LASERLEISTUNG (1)	—	—	1. POWER: OFF 2. CN4 aus der Servo-Schaltplatte (X29-1520-00) ziehen. 3. Stifte 2 und 3 der J8 ans Mechanismus-Schaltplatte (J25-4404-08) kurzschließen. 4. POWER: ON	—	—	
2	LASERLEISTUNG (2)	—	Laserleistung-Meter	POWER: ON	R128 (J25-4404-08)	So einstellen, daß das Meter 300 µW anzeigt.	(a)
3	SPITZEN-DET-BALANCE	—	Ein Gleichstrom-Voltmeter an Stift 8 der Servo-Schaltplatte CN6 anschließen.	POWER: ON	R118 (J25-4404-08)	So einstellen, daß das Meter 0 V anzeigt.	
4	AUFNEHMER-HÖHE (1)	—	Ein Oszilloskop (Wechselstrom 0,2 V/div) an Stift 6 der Servo-Schaltplatte CN6 anschließen.	Den CN10 von der Signalverarbeitung-Schaltplatte abtrennen. POWER: ON	R120 (J25-4404-08)	So einstellen, daß der maximale Ausgang erhalten wird.	
5	ABNEHMER-HÖHE (2)	—	Ein Gleichstrom-Voltmeter an Stift 3 der Servo-Schaltplatte CN3 anschließen.	Wiedergabe-Betriebsart	Abnehmer-Einstellschrauben A, B und C	So einstellen, daß das Voltmeter 0 V anzeigt.	(b)
6	AUFNEHMER-TANGENTIALRICHTUNG	—	Das Oszilloskop (Wechselstrom 0,5 V/div) an den EFM-Stift der Servo-Schaltplatte anschließen.	Wiedergabe-Betriebsart	Aufnehmer-Einstellschraube B	Auf minimalen Jitter (minimale Schwankung in der Mitte der Wellenform) einstellen.	(b)
7	AUFNEHMER-RADIALRICHTUNG	—	Das Wechselstrom-Voltmeter and den TE-Stift der Servo-Schaltplatte anschließen.	Wiedergabe-Betriebsart	Aufnehmer-Einstellschraube C	So einstellen, daß das Voltmeter Minimum anzeigt.	(b)
Die Schritte 5 ~ 7 mehrmals wiederholen.							
CN10 an die Signalverarbeitung-Schaltplatte anschließen.							
8	FE-BALANCE	—	Das Gleichstrom-Voltmeter an die Stifte 1 ~ 4 der Signalverarbeitung-Schaltplatte anschließen.	Wiedergabe-Betriebsart	R120 (J25-4404-08)	Die Spannungsversorgung ausschalten. Die Spannungsversorgung wieder einschalten und so einstellen, daß der Pegel an jedem Stift L (weniger als 0,5 V) ist während der Wiedergabe.	
9	FOKUS-VERSTÄRKUNG	Typ A Disc	Vorrichtung MONITOR OUT: Wechselstrom-Voltmeter FS/TS OUTPUT: Servo-Schaltplatte CN1 SW: BPF OUT SW: FS	Wiedergabe-Betriebsart	VR1 (X29-1520-00)	So einstellen, daß das Voltmeter 40 mV anzeigt.	(c)
10	SPURHALTE-VERSTÄRKUNG	Typ A Disc	Vorrichtung MONI OUT: Wechselstrom-Voltmeter FS/TS OUTPUT: Servo-Schaltplatte CN1 SW: BPF OUT SW: TS	Wiedergabe-Betriebsart	VR2 (X29-1520-00)	So einstellen, daß das Voltmeter 40 mV anzeigt.	(c)

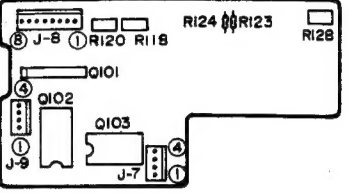


Servo PC board (X29-1520-00)



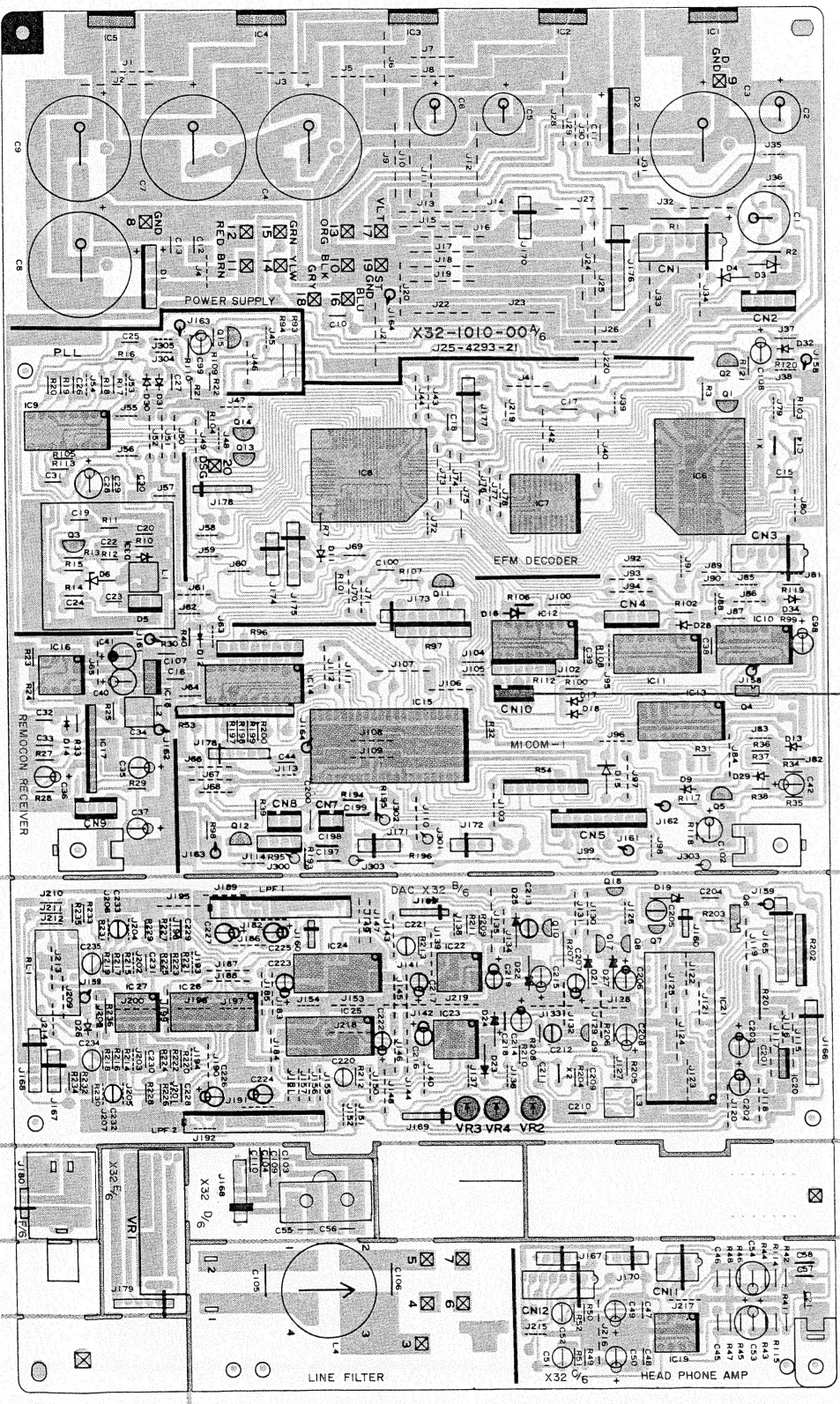
Front

Mechanism PC board (J25-4404-08)



PC BOARD

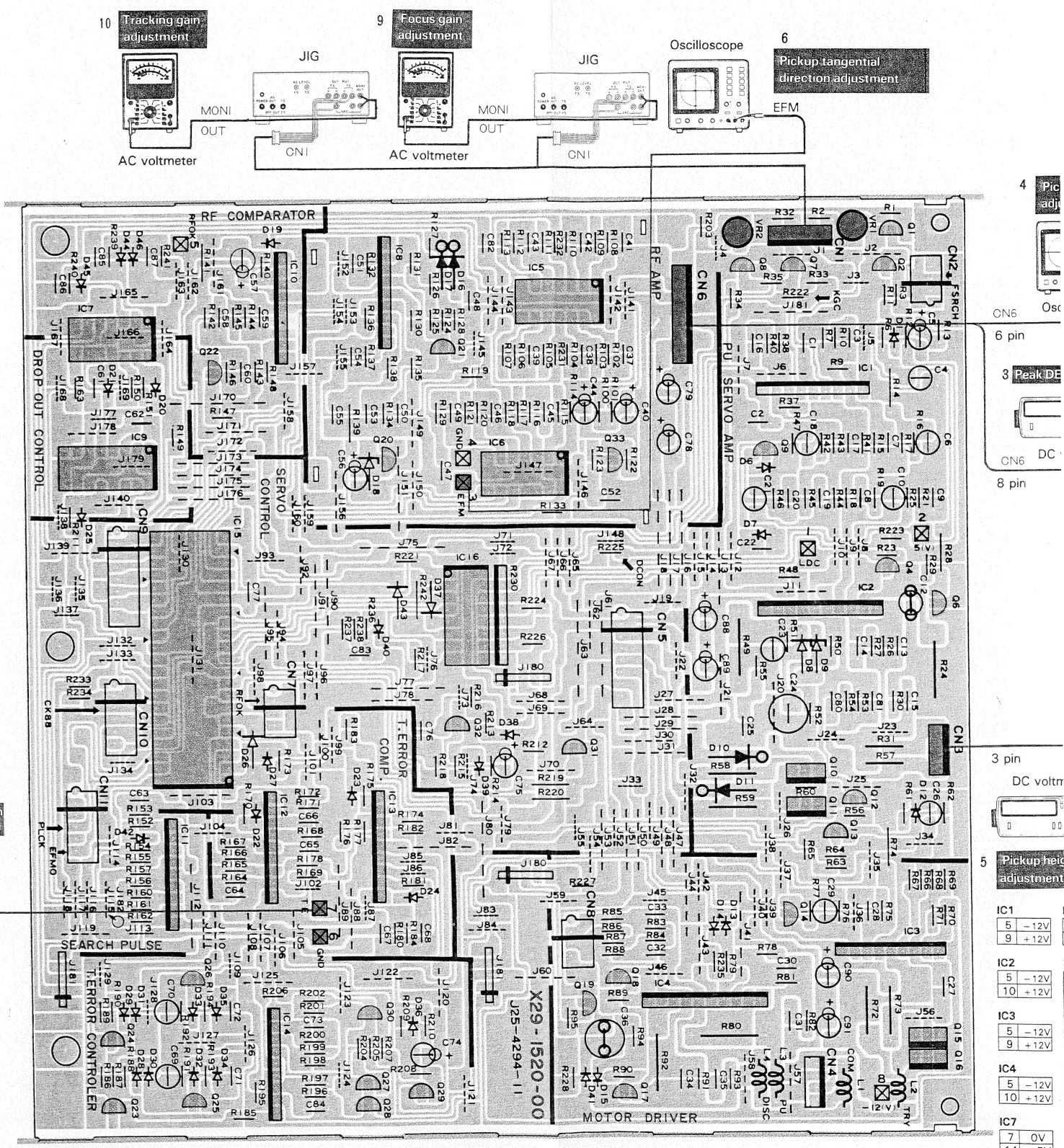
SIGNAL PROCESS UNIT (X32-1010-11) Component side view



IC1 IN 12.7V GND 0V OUT 4.8V	IC7 12 0V 18 0V 24 4.8V	IC11 8 0V 15 4.8V 16 4.8V	IC17 5 0V 8 8.1V	IC24 1 0V 2 0V 3 0V 12 0V 13 0V 14 0V 15 0V 16 5V
IC2 IN -12V GND 0V OUT -5V	IC8 2 4.8V 3 0V 6 0V 8 4.8V 9 4.8V 10 4.8V 15 0V 22 0V 27 4.8V 28 0V 41 4.8V 42 4.8V 43 4.8V 44 4.8V 45 4.8V	IC12 4 0V 6 0V 8 0V 16 4.8V	IC13 6 0V 7 0V 8 12V	IC19 4 -12V 8 12V
IC3 IN 12V GND 0V OUT 5V	IC9 5 0V 15 4.8V 16 12V	IC14 9 0V 21 0V 30 0V 34 4.8V 42 4.8V	IC20 IN -8V GND 0V OUT 0V	IC21 4 4.8V 21 0V 22 0V 28 0V
IC4 IN -18.6V GND 0V OUT -12V	IC10 27 4.8V 37 4.8V 41 4.8V 42 4.8V 54 4.8V 57 4.8V 58 4.8V	IC15 21 0V 30 0V 34 4.8V 42 4.8V	IC22 3 0V 4 -12V 5 0V 8 12V	IC25 1 0V 2 0V 5 0V 12 0V 13 0V 14 0V 15 0V 16 5V
IC5 IN 18.6V GND 0V OUT 12V	IC16 1 0V 4 0V 8 8.1V	IC23 3 0V 4 -12V 5 0V 8 12V	IC26 1 0V 2 0V 15 0V 16 15V	IC27 4 -12V 8 12V
IC6 27 4.8V 37 4.8V 41 4.8V 42 4.8V 54 4.8V 57 4.8V 58 4.8V	IC17 5 0V 8 8.1V	IC18 IN 12.7V GND 0V OUT 8.1V	IC28 1 0V 2 0V 3 0V 12 0V 13 0V 14 0V 15 0V 16 5V	

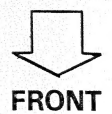
8 FE balance adjustment
DC voltmeter

SERVO UNIT (X29-1520-00) Component side view



7 Pickup radial direction adjustment AC voltmeter
--

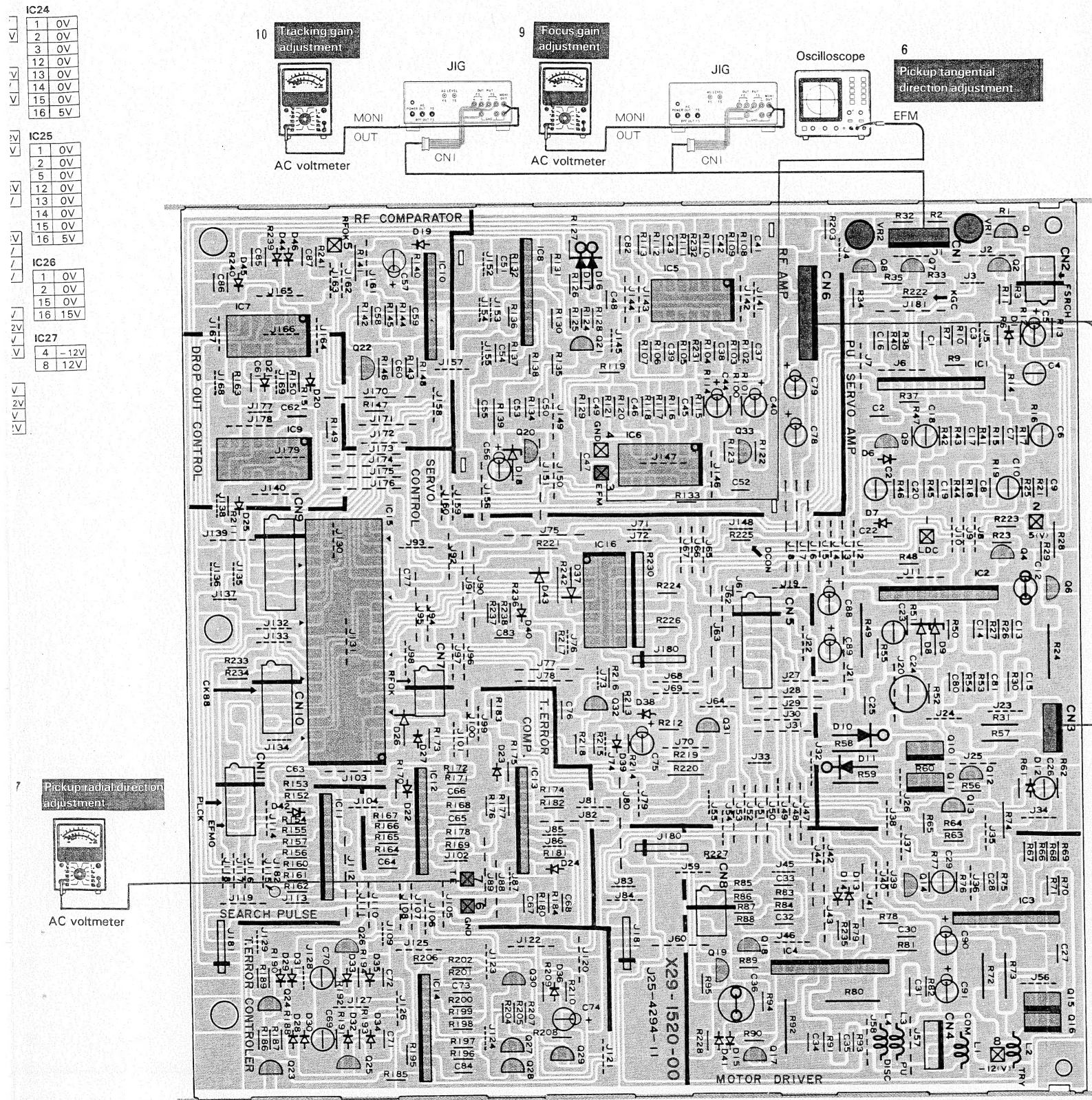
4 Pic adj
Osc
6 pin
3 Peak DE
CN6 DC
8 pin
3 pin
DC voltr
5 Pickup head adjustment
IC1 5 -12V 9 +12V
IC2 5 -12V 10 +12V
IC3 5 -12V 9 +12V
IC4 5 -12V 10 +12V
IC7 7 0V 14 +5V



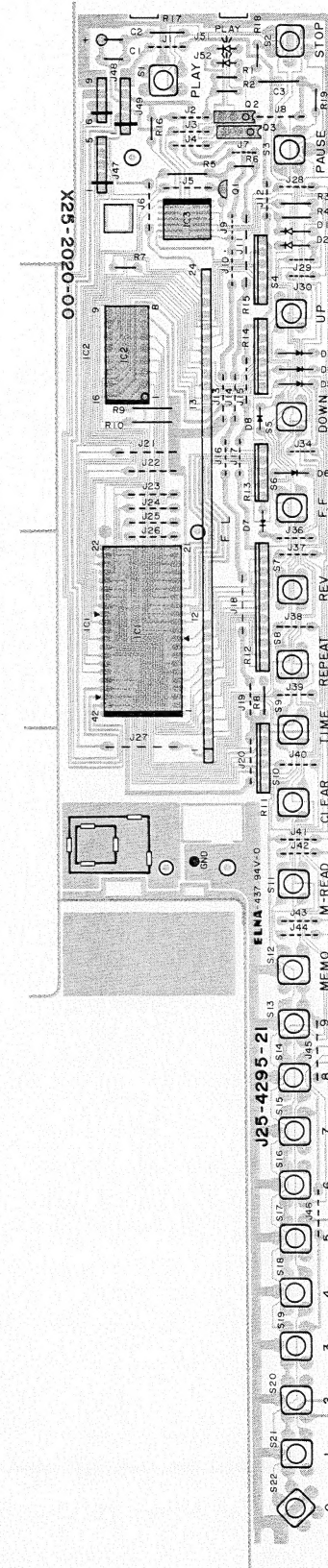
FRONT

PC BOARD

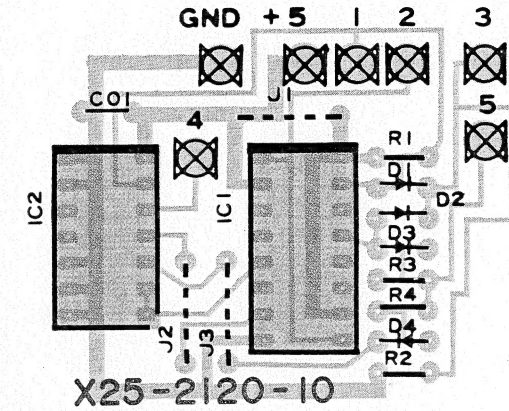
SERVO UNIT (X29-1520-00) Component side view



INDICATOR UNIT (X25-2020-00)
Component side view

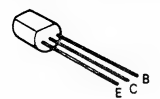


SUB UNIT (X25-2120-10)
Component side view

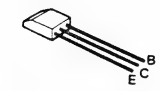


Refer to the schematic diagram for the values of resistors and capacitors.
The PC board drawing is viewing from the side easy to check.

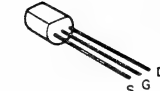
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2SA1127NC 2SC2320
2SA733(A) 2SC2878
2SA999 2SC945(A)
2SC1685



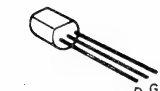
2SB605
2SD571



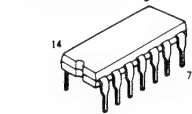
2SK125



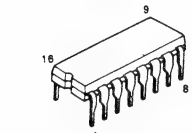
2SK170
2SK301



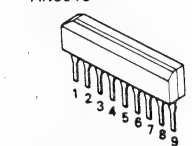
TC40H004P
TC4011BP
UPD4011BC



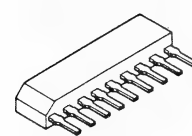
UPD4520BC
TC4520BP
TC5067BP



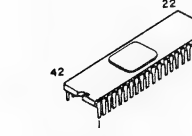
TA75393S
AN6913



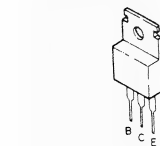
AN6555
AN6913



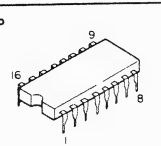
T7001-0007



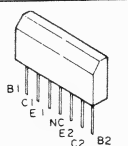
2SD689



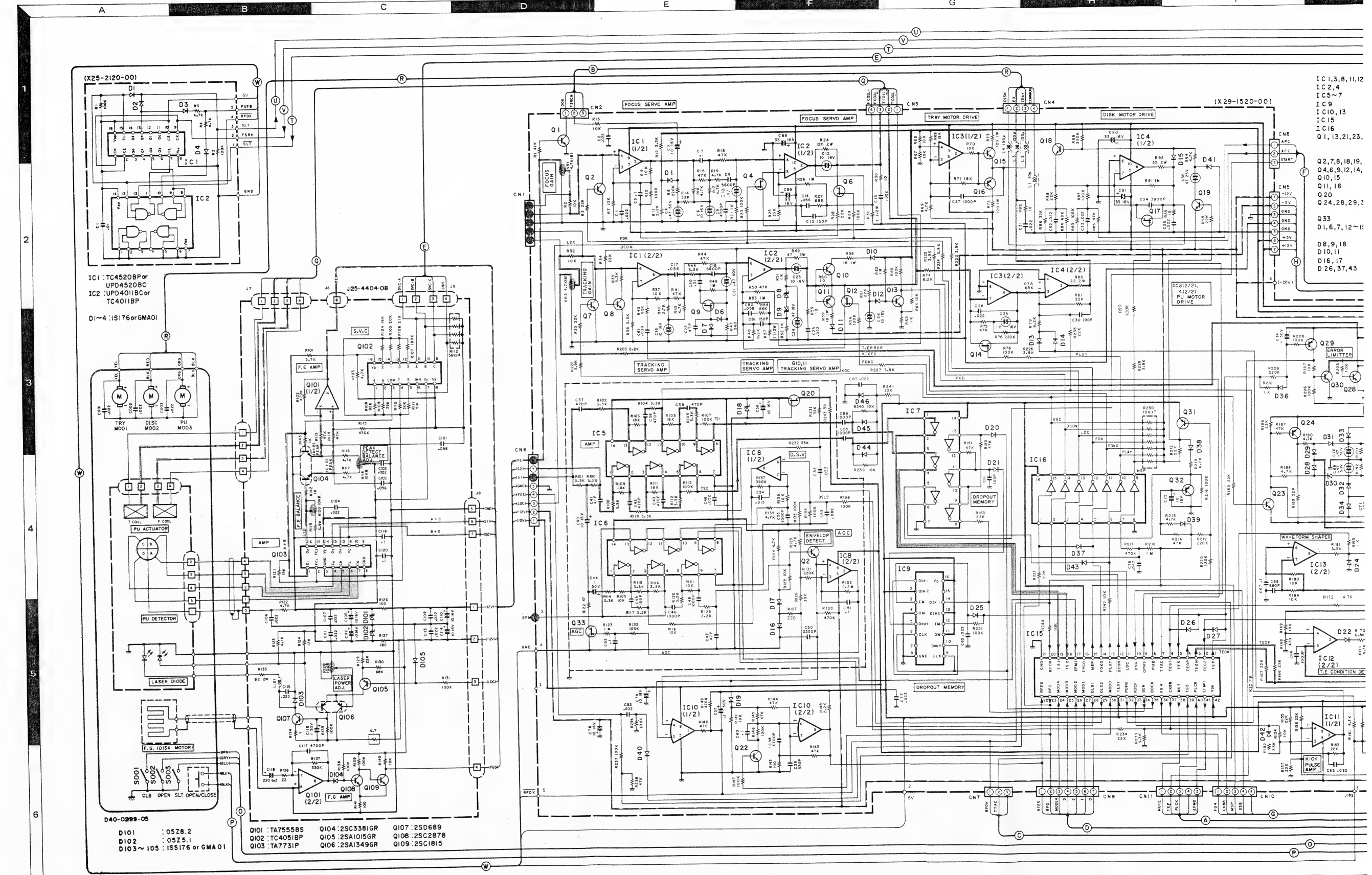
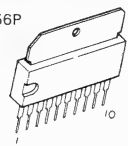
TC4051BP
TA7731P
TC5050P



2SC3381
2SC1349



TA7256P

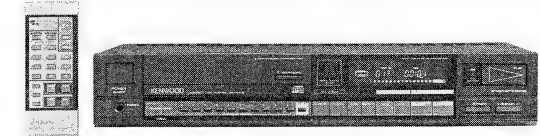


DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées à haute impédance. Les valeurs peuvent varier légèrement du fait des variations entre les instruments de mesure.

COMPACT DISC PLAYER

DP-1100/B



Specifications

Compact disc player

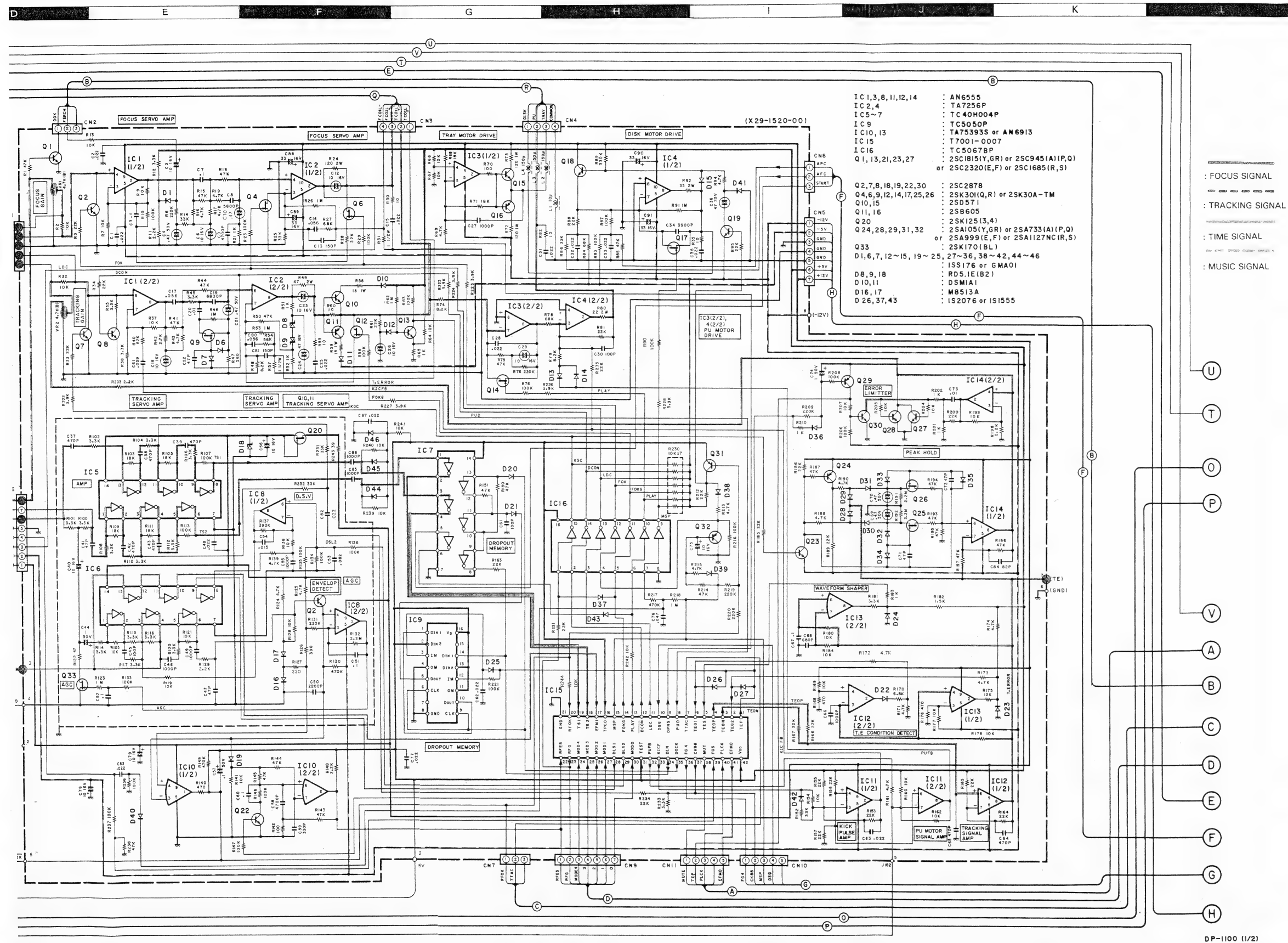
Disc loading system	Linear skate disc loading mechanism
Frequency response	2 Hz — 20 kHz, ± 0.5 dB
Dynamic range	95 dB or more
Signal-to-noise ratio	95 dB or more
Total harmonic distortion	Less than 0.0015% (1 kHz)
Channel separation	90 dB or more (1 kHz)
Wow and flutter	Below measurable limit
Output level	2 V
Output impedance	600 Ω
Sampling frequency	44.1 kHz
Quantization	16 bit linear quantizing/channel
Spindle speed	200 — 500 rpm
Pickup	Semiconductor laser (GaAlAs)
Error correction	C.I.R.C
Tune selection	TNO (Music No.), INDEX (Index No.)
Number of tune search	Up to 99
Access time	Average 2 seconds
Number of memory	16
Repeat play	Endless
Power supply	AC 120 V, 60 Hz (USA and Canada) AC 120 V — AC 220/240 V, 50/60 Hz (Others)
Power consumption	20 W (USA and Canada), 23 W (Others)
Dimensions	440(W) \times 88(H) \times 310(D) mm
Weight	6.8 kg
Remote control unit	
System	Infrared control
Effective distance	4 m
Effective angle	$\pm 30^\circ$ from the center axis
Dimensions	140(H) \times 54(W) \times 12(D) mm
Batteries	AAA or R03 \times 2 (option)
Weight	50 g (without batteries)

Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Kenwood poursuit une politique de progrès constants en ce qui concerne le développement. Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

Kenwood strebt ständige Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

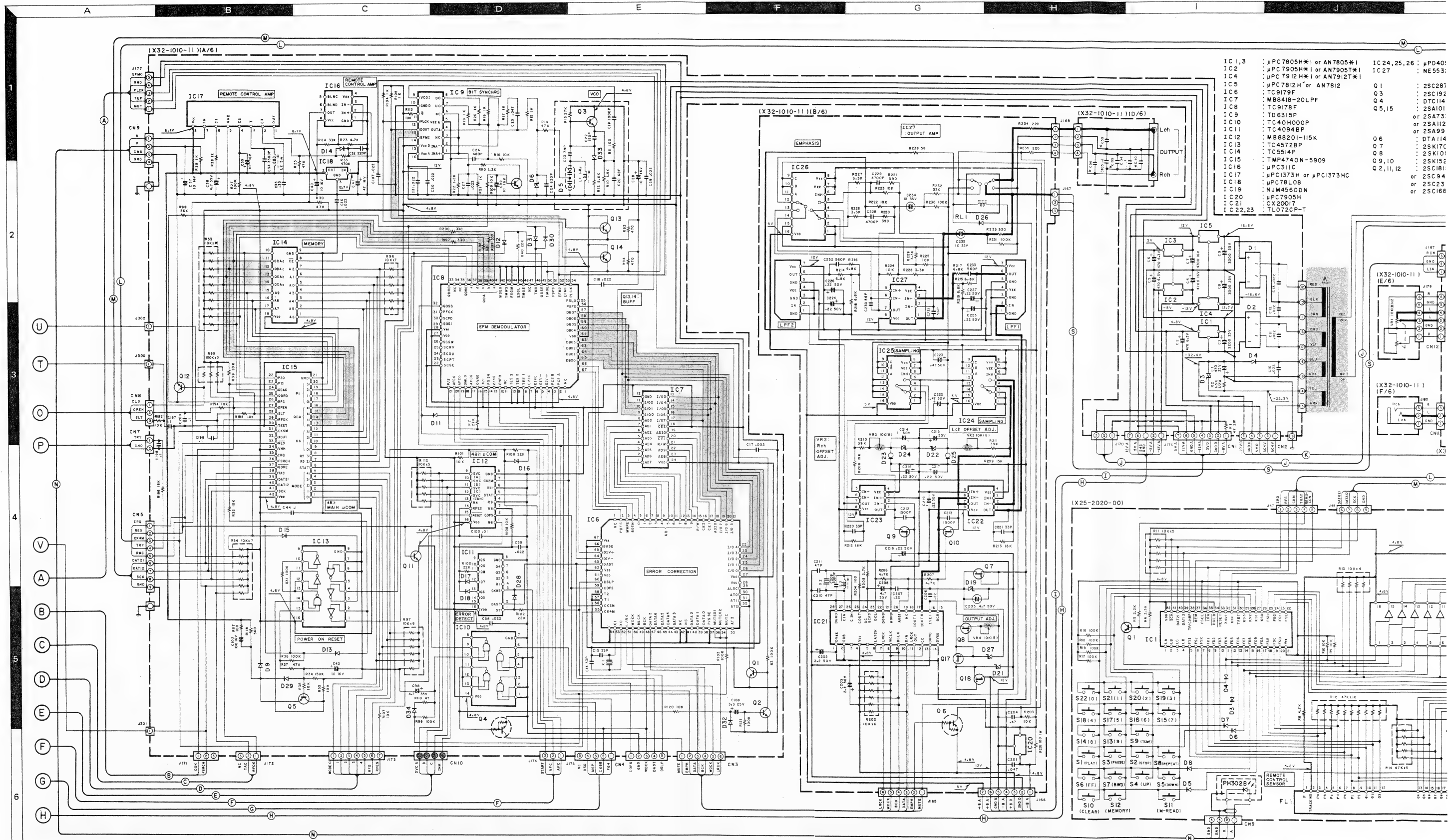


DP-1100 (1/2)

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

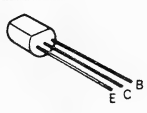
Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig.

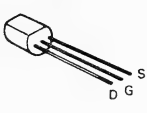


2SA1015
2SA1127NC
2SA733(A)
2SA999
2SC1685

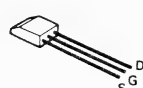
2SC1815
2SC1923
2SC2320
2SC2878
2SC945(A)



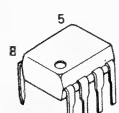
2SK105
2SK163
2SK170



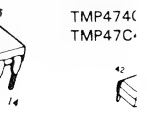
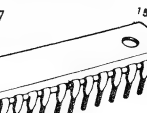
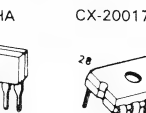
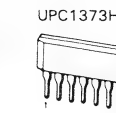
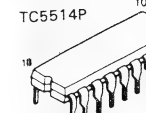
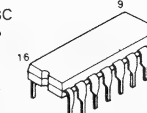
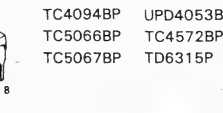
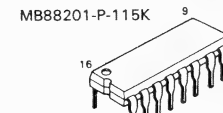
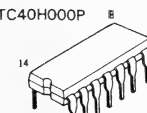
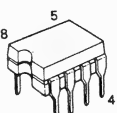
2SK152



NE5532P
NJM4560D-N
TL072CP-T

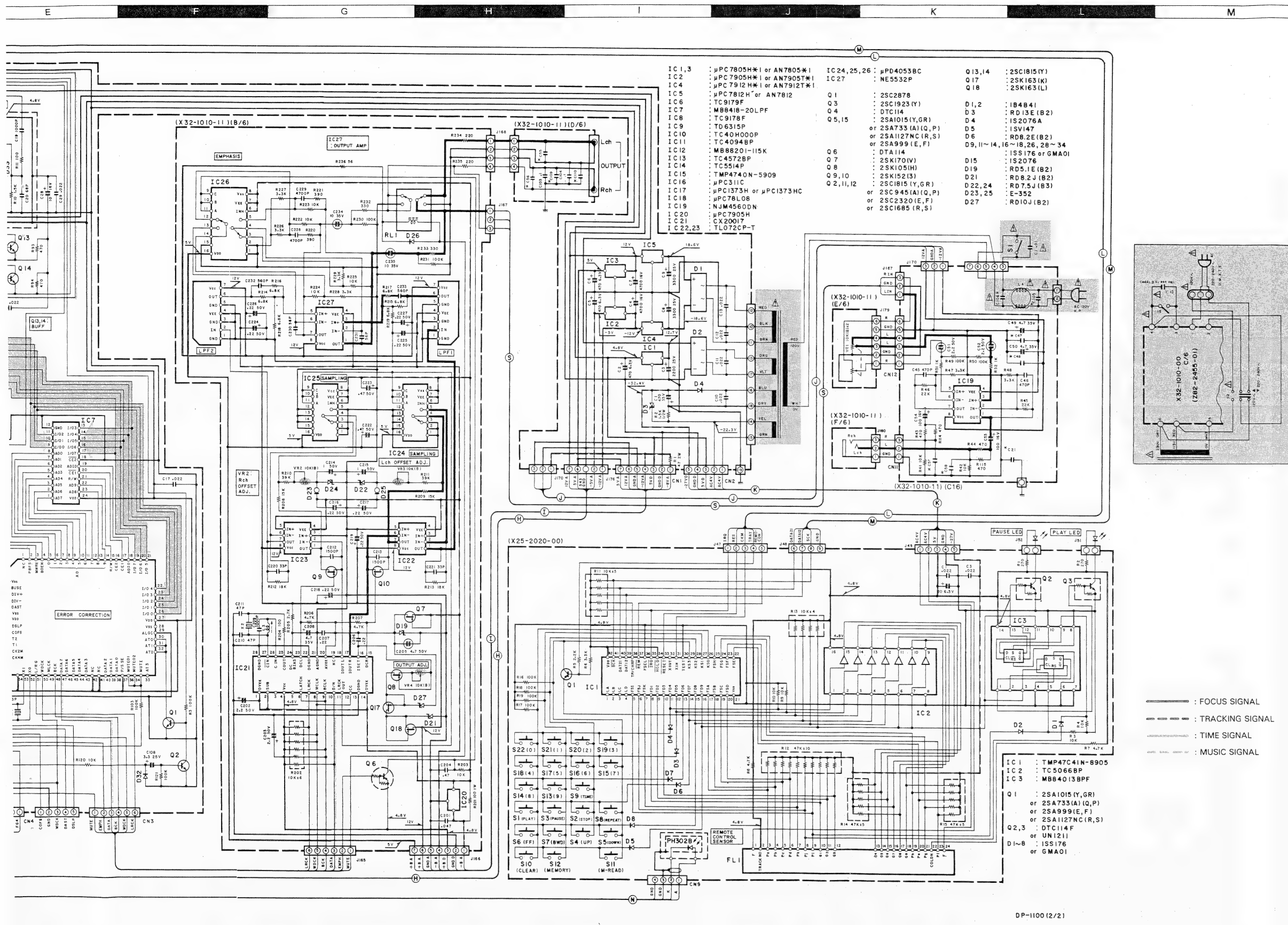


UPC311C



COMPACT DISC PLAYER

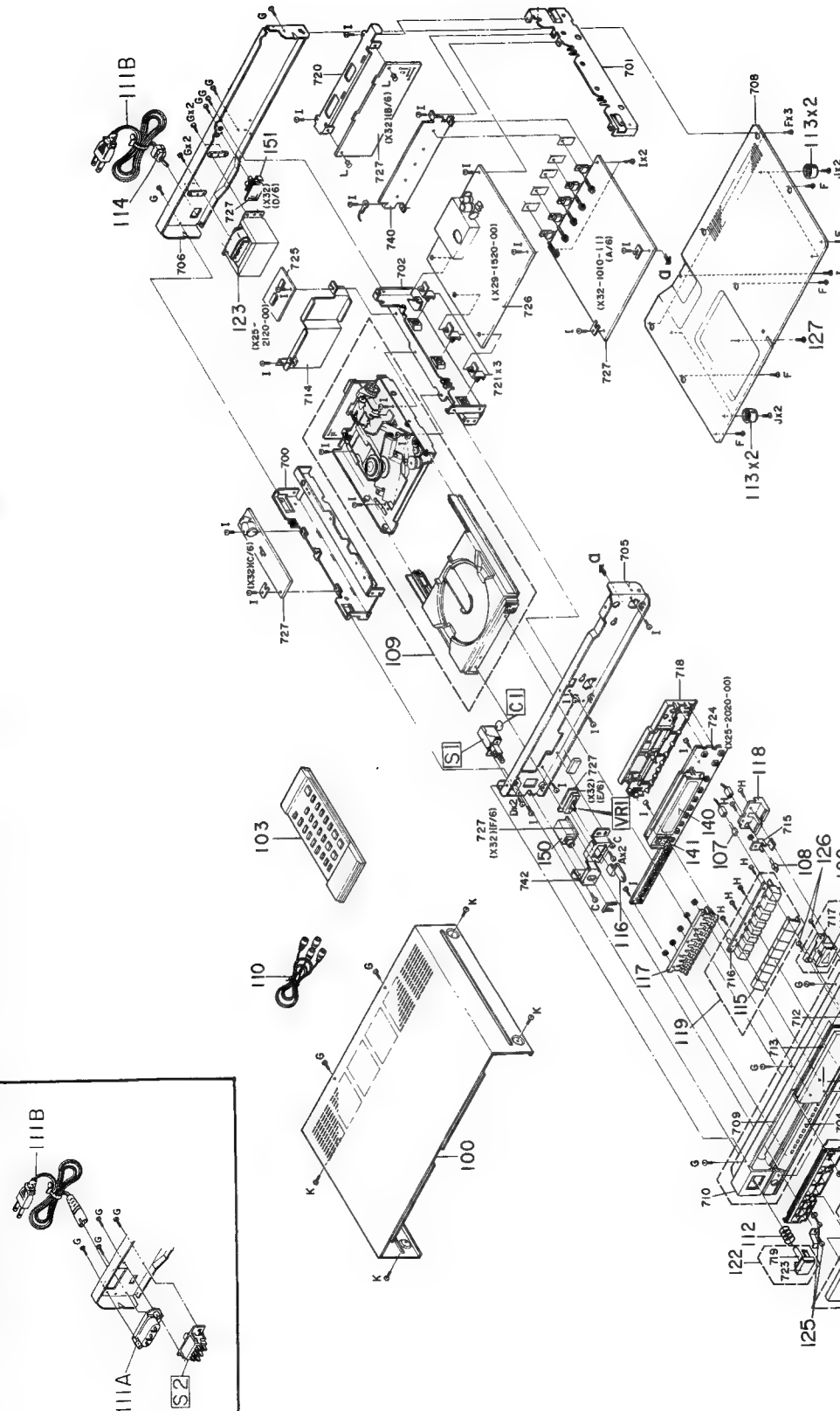
DP-1100/E



AREA		AREA Change destination			
Parts		X32-1010-00	X32-1010-01	X32-1010-11	X32-1012-71
C47, 48		No use	No use	No use	0.022 μ
C55, 56		No use	No use	No use	3300p
C57, 58		No use	No use	No use	0.01 μ
C21		0.1 μ	0.1 μ	0.1 μ	0.82 μ
C105, 106		C91-0023-05	C91-0023-05	C91-0647-05	C91-0647-05
C109, 110		No use	No use	No use	0.01 μ
Headphone jack		E11-0331-05	E11-0103-05	E11-0103-05	E11-0103-05

EXPLODED VIEW

Exploded view No. 700 ~ are not supplied.

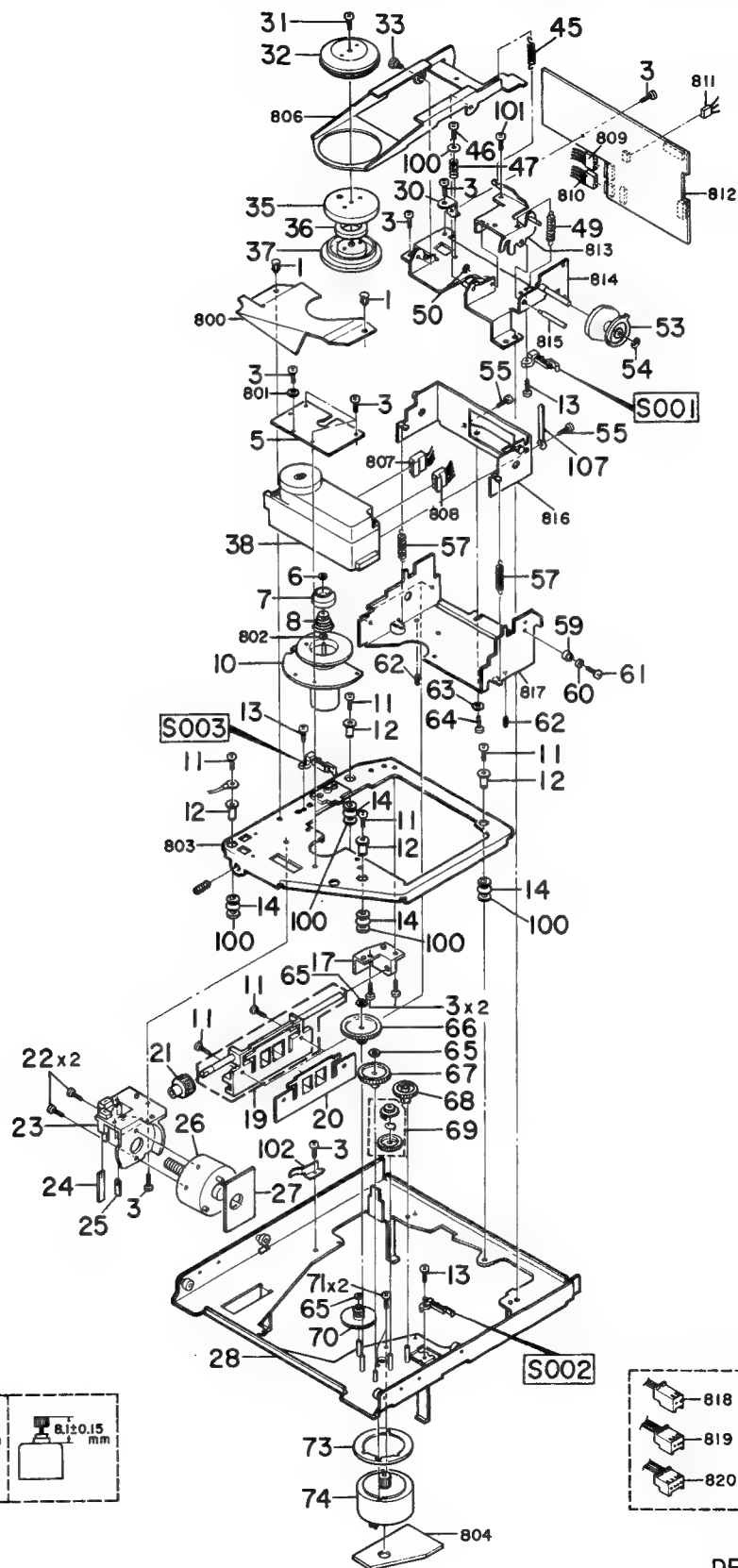


DP-1100(A/3)

A	M23	N30-0003-45	G	#316	(B)-Top	BLK	M88-3006-45
B	M23	N30-0003-45	H	#316	(B)-Top	BLK	M87-3006-45
C	M23	N30-0003-45	I	#316	(B)-Top	BLK	M88-3006-45
D	M23	N30-0003-45	J	#310	(B)-Top	BLK	M88-3010-45
E	M23	N30-0003-45	K	#416	(B)-Top	BLK	M88-0036-05
F	M23	N30-0003-45	L	#316	(B)-Top	BLK	M87-3006-45

EXPLODED VIEW

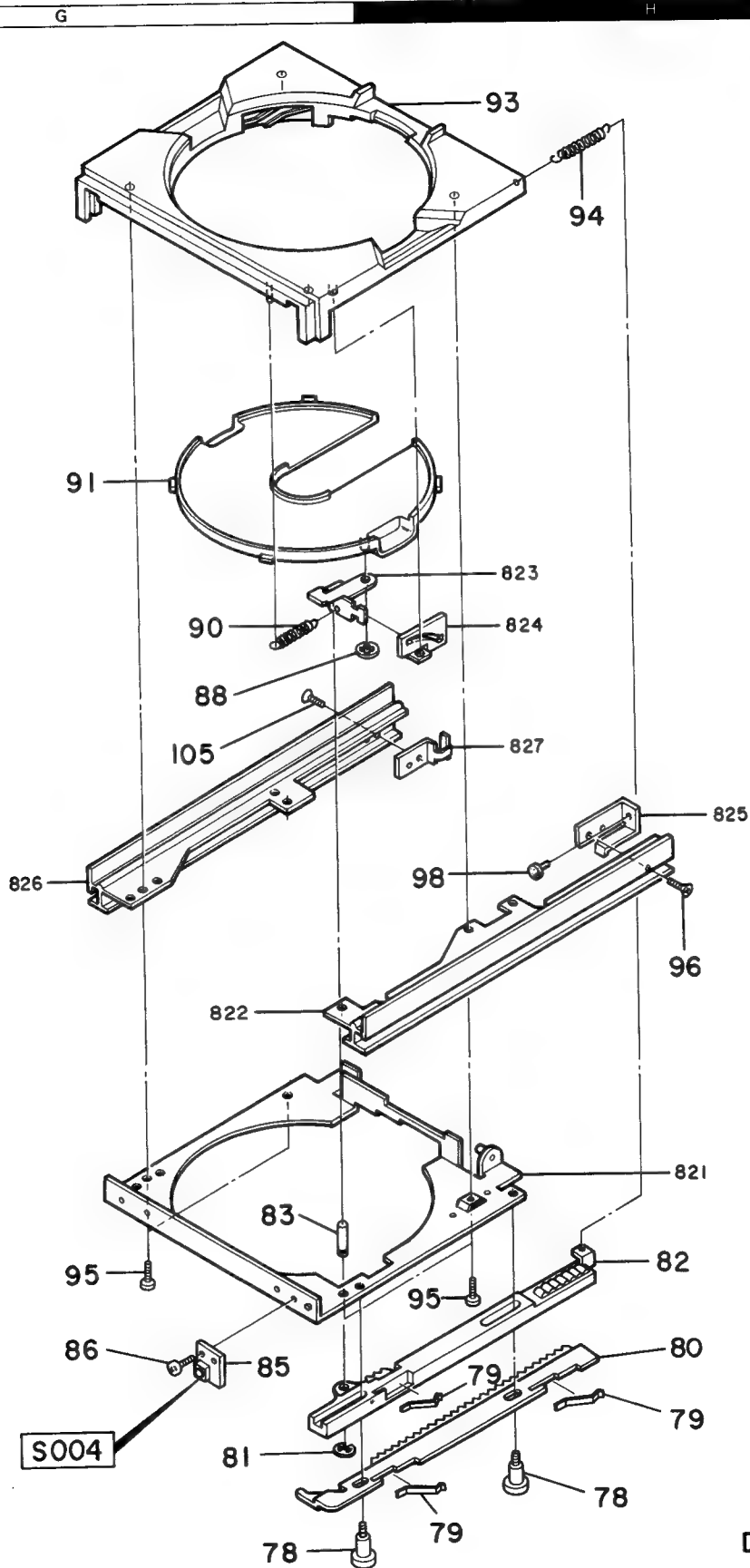
Exploded view No. 800 ~ are not supplied.



DP-1100(B/3)

EXPLODED VIEW

Exploded view No. 800 - are not supplied.



DP-1100(C/3)

PARTS LIST

※ New Parts

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Teile ohne **Parts No.** werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
DP-1100/B						
100	2A	*	A01-0684-03	METALLIC CABINET	T2	
100	2A	*	A01-1303-03	METALLIC CABINET	KPUMX	
100	2A	*	A01-1303-03	METALLIC CABINET	TE	
101	3B	*	A20-3755-02	PANEL ASSY	T2	
101	3B	*	A20-3756-02	PANEL ASSY	KPUMX	
101	3B	*	A20-3756-02	PANEL ASSY	TE	
102	3A	*	A29-0045-03	TRAY PANEL ASSY	T2	
102	3A	*	A29-0048-03	TRAY PANEL ASSY	KPUMX	
102	3A	*	A29-0048-03	TRAY PANEL ASSY	E	
102	3A	*	A29-0050-03	TRAY PANEL ASSY	T	
103	1B	*	A70-0123-05	REMOTE CONTROLLER ASSY	TT2	
103	1B	*	A70-0124-05	REMOTE CONTROLLER ASSY	KPUMX	
103	1B	*	A70-0124-05	REMOTE CONTROLLER ASSY	E	
104	3A	*	B07-1240-04	ESCUTCHEON (OPEN/CLOSE)		
105	3A	*	B07-1241-02	ESCUTCHEON		
106	3A	*	B10-0441-04	FRONT GLASS(A)		
107	3B	*	B30-0321-05	LED (PLAY IND.) PR7551K		
108	3B	*	B30-1005-05	LED (PAUSE)		
-			B46-0092-03	WARRANTY CARD	K	
-			B46-0093-03	WARRANTY CARD	P	
-			B46-0094-03	WARRANTY CARD	U	
-			B46-0095-03	WARRANTY CARD	U	
-			B46-0096-03	WARRANTY CARD	X	
-			B46-0097-03	WARRANTY CARD	TT2	
-			B46-0098-03	WARRANTY CARD	E	
-		*	B50-5079-00	INSTRUCTION MANUAL (E)	KPUMX	
-		*	B50-5080-00	INSTRUCTION MANUAL (F)	PMXE	
-		*	B50-5081-00	INSTRUCTION MANUAL (SP)	M	
-		*	B50-5082-00	INSTRUCTION MANUAL (E)	T	
-		*	B50-5083-00	INSTRUCTION MANUAL (D,G,I,SW)	E	
-		*	B50-5276-00	INSTRUCTION MANUAL (E)	T2	
-			B59-0092-00	SERVICE DIRECTORY	U	
△ C1			C91-0023-05	CERAMIC 0.01UF AC250V	UMX	
△ C1			C91-0647-05	CERAMIC 0.01UF P	KPTT2	
109	2C	*	D40-0299-05	MECHANISM ASSY		
110	1B		E30-0505-05	AUDIO CORD		
△ 111A	1A		E03-0102-15	AC INLET	UMXTE	
△ 111A	1A		E03-0102-15	AC INLET	T2	
△ 111B	1D		E30-0181-05	AC POWER CORD	K	
△ 111B	1D		E30-0780-05	AC POWER CORD	P	
△ 111B	1A		E30-1305-15	AC POWER CORD (INLET)	UM	
△ 111B	1A		E30-1328-15	AC POWER CORD (INLET)	TT2	
△ 111B	1A		E30-1329-05	AC POWER CORD (INLET)	E	
△ 111B	1A		E30-1342-05	AC POWER CORD (INLET)	X	
△ 112	3A		G01-0359-04	COMPRESSION SPRING(POWER KNOB)		
-		*	H01-5053-04	ITEM CARTON CASE	T2	
-		*	H01-5054-04	ITEM CARTON CASE	KPUMX	
-		*	H01-5054-04	ITEM CARTON CASE	E	
-		*	H01-5064-04	ITEM CARTON CASE	T	
-		*	H09-0089-04	ITEM CARTON CASE		
-		*	H10-1712-02	POLYSTYRENE FOAMED FIXTURE		

E: Scandinavia & Europe H: Audio Club K: USA

P: Canada

T2 : Silver type

S: South Africa

T: England

U: PX(Far East, Hawaii)

UE: AAFES(Europe)

X: Australia

M: Other Areas

△ indicates safety critical components.

PARTS LIST

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
-		*	H12-0155-04	CARTON BOARD	M	
-			H20-0417-04	PROTECTION COVER		
-			H25-0078-04	PROTECTION BAG	UMXTE	
-			H25-0113-04	PROTECTION BAG	T2	
-			H25-0113-04	PROTECTION BAG		
-		*	H25-0216-04	PROTECTION BAG	KPUXT	
-		*	H25-0216-04	PROTECTION BAG	ET2	
-			H40-0005-04	RUST PREVENTING PAPER	M	
113	3C, 3D		J02-0126-05	FOOT		
△ 114	1D		J42-0083-05	POWER CORD BUSHING	KP	
-		*	J50-0114-05	HINGE		
115	3A	*	K27-1128-04	KNØB (BUTTON) OPERATION	T2	
115	3A	*	K27-1188-04	KNØB (BUTTON) OPERATION	KPUMX	
115	3A	*	K27-1188-04	KNØB (BUTTON) OPERATION	TE	
116	2B	*	K27-1130-14	KNØB (BUTTON) PHONES LEVEL	T2	
117	2B		K29-1472-23	KNØB (11KEY)		
117	2B		K29-1568-23	KNØB (11KEY)	KPUMX	
117	2B		K29-1568-23	KNØB (11KEY)	TE	
118	3B		K29-1473-13	KNØB (STOP)	T2	
118	3B		K29-1569-13	KNØB (STOP)	KPUMX	
118	3B		K29-1569-13	KNØB (STOP)	TE	
119	2A	*	K29-1474-04	KNØB ASSY (8KEY)	T2	
119	2A	*	K29-1570-04	KNØB ASSY (8KEY)	KPUMX	
119	2A	*	K29-1570-04	KNØB ASSY (8KEY)	TE	
120	3B		K29-1475-14	KNØB ASSY (PLAY)	T2	
120	3B		K29-1572-14	KNØB ASSY (PLAY)	KPUMX	
120	3B		K29-1572-14	KNØB ASSY (PLAY)	TE	
121	3A	*	K29-1476-04	KNØB (EJECT)	T2	
121	3A	*	K29-1574-04	KNØB (EJECT)	KPUMX	
121	3A	*	K29-1574-04	KNØB (EJECT)	TE	
121	3A	*	K29-1574-04	KNØB (EJECT)	T2	
122	3A	*	K29-1477-04	KNØB ASSY (POWER)		
122	3A	*	K29-1575-04	KNØB ASSY (POWER)	KPUMX	
122	3A	*	K29-1575-04	KNØB ASSY (POWER)	TE	
△ 123	1D	*	L01-3441-05	POWER TRANSFORMER	KP	
△ 123	1D	*	L01-3444-05	POWER TRANSFORMER	UMXTE	
△ 123	1D	*	L01-3444-05	POWER TRANSFORMER	T2	
125	3A		N09-0312-05	SEMS (MACHINE SCREW)		
126	3B		N09-0332-05	SEMS (TAPTITE SCREW)		
127	3C	*	N09-1333-05	MACHINE SCREW		
△ S1	2B		S40-1067-05	PUSH SWITCH (POWER TYPE)	UMXTE	
△ S2	1A		S31-2083-05	SLIDE SWITCH (POWER TYPE)	T2	
△ S2	1A		S31-2083-05	SLIDE SWITCH (POWER TYPE)		
INDICATOR UNIT (X25-2020-00)						
C1			C91-0699-05	CERAMIC 0.1UF J		
C2			CE04FW1C100M	ELECTRO 10UF 16WV		
C3			C91-0085-05	CERAMIC 0.022UF N		
R11			R90-0228-05	MULTI-COMP 10KX5 J 2B		
R12		*	R90-0273-05	MULTIPLE RESISTOR		
R13			R90-0233-05	MULTI-COMP 10KX4 J 2B		
R14 ,15		*	R90-0274-05	MULTIPLE RESISTOR		
S1 -3			S40-1068-05	PUSH SWITCH (PLAY/PAUSE/STOP)		
S4 -11			S40-1064-05	PUSH SW(UP/DOWN/FF/BWD/REP/TM)		

E: Scandinavia & Europe H: Audio Club K: USA

P: Canada

T2 : Silver type

S: South Africa T: England U: PX(Far East, Hawaii)

UE: AAFES(Europe)

X: Australia

M: Other Areas

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
S12 -22			S40-1068-05	PUSH SWITCH (MEMO/NUMBERS)		
140	2B	*	CP2095GR	FLUORESCENT INDICATOR TUBE		
141	2B	*	PH302B	PHOTO DIODE		
D1 -6			GMA01	DIODE		
D1 -6		*	1SS176	DIODE		
D7 ,8		*	GMA01	DIODE		
D7 ,8			1SS176	DIODE		
IC1		*	TMP47C41N-8905	IC		
IC2		*	TC5066BP	IC		
IC3		*	MB84013BPF	IC		
Q1			2SA1015(Y,GR)	TRANSISTOR		
Q1			2SA1127NC(R,S)	TRANSISTOR		
Q1			2SA733(A)(Q,P)	TRANSISTOR		
Q1			2SA999(E,F)	TRANSISTOR		
Q2 ,3		*	DTC114F	TRANSISTOR		
Q2 ,3			UN1211	TRANSISTOR		
SUB UNIT (X25-2120-00)						
C1			CK45FF1H103Z	CERAMIC 0.01UF Z		
D1 -4			GMA01	DIODE		
D1 -4			1SS176	DIODE		
IC1		*	TC4520BP	IC		
IC1		*	UPD4520BC	IC		
IC2			TC4011BP	IC		
IC2			UPD4011BC	IC		
SERVO UNIT (X29-1520-00)						
C1 ,2			CK45FF1H223Z	CERAMIC 0.022UF Z		
C3			CF92FV1H104J	MF 0.10UF J		
C4			CE04HW1H2R2M	NP-ELEC 2.2UF 50WV		
C5		*	CE04FW1C100M	ELECTRO 10UF 16WV		
C6		*	CE04HW1C100M	NP-ELEC 10UF 16WV		
C7			CF92FV1H104J	MF 0.10UF J		
C8			CF92FV1H562J	MF 5600PF J		
C9			CF92FV1H472J	MF 4700PF J		
C10			CE04HW1HR47M	NP-ELEC 0.47UF 50WV		
C12			CE04HW1C100M	NP-ELEC 10UF 16WV		
C13			CC45FSL1H151J	CERAMIC 150PF J		
C14			CF92FV1H563J	MF 0.056UF J		
C15			CK45FF1H223Z	CERAMIC 0.022UF Z		
C16			CF92FV1H393J	MF 0.039UF J		
C17			CF92FV1H563J	MF 0.056UF J		
C18		*	CE04HW1C100M	NP-ELEC 10UF 16WV		
C19			CF92FV1H682J	MF 6800PF J		
C20			CF92FV1H103J	MF 0.010UF J		
C21			CE04HW1HR47M	NP-ELEC 0.47UF 50WV		
C22			CC45FSL1H470J	CERAMIC 47PF J		
C23		*	CE04HW1C100M	NP-ELEC 10UF 16WV		
C24			CE04HW1C470M	NP-ELEC 47UF 16WV		
C25			CK45FF1H223Z	CERAMIC 0.022UF Z		
C26		*	CE04HW1C100M	NP-ELEC 10UF 16WV		
C27			CK45FB1H102K	CERAMIC 0.001UF K		
C28			CK45FF1H223Z	CERAMIC 0.022UF Z		
C29		*	CE04HW1C100M	NP-ELEC 10UF 16WV		
C30			CC45FSL1H101J	CERAMIC 100PF J		

E: Scandinavia & Europe H: Audio Club K: USA

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C31			CK45FF1H223Z	CERAMIC 0.022UF Z		
C32 ,33			CF92FV1H223J	MF 0.022UF J		
C34			CF92FV1H392J	MF 3900PF J		
C35			CK45FF1H223Z	CERAMIC 0.022UF Z		
C36			CE04HW1E470M	NP-ELEC 47UF 25WV		
C37 -39			CK45FB1H471K	CERAMIC 470PF K		
C40			CE04FW1C100M	ELECTR0 10UF 16WV		
C41 -43			CK45FB1H471K	CERAMIC 470PF K		
C44			CE04FW1H010M	ELECTR0 1UF 50WV		
C45			CC45FSL1H101J	CERAMIC 100PF J		
C46			CK45FB1H102K	CERAMIC 0.001UF K		
C47			CC45FSL1H470J	CERAMIC 47PF J		
C48			CK45FF1H223Z	CERAMIC 0.022UF Z		
C49			CK45FB1H102K	CERAMIC 0.001UF K		
C50			CF92FV1H222J	MF 2200PF J		
C51 ,52			CF92FV1H104J	MF 0.10UF J		
C53			CF92FV1H823J	MF 0.082UF J		
C54			CF92FV1H153J	MF 0.015UF J		
C55			CF92FV1H102J	MF 1000PF J		
C56			CE04FW1C100M	ELECTR0 10UF 16WV		
C57			CE04FW1H0R1M	ELECTR0 0.1UF 50WV		
C58			CF92FV1H472J	MF 4700PF J		
C59			CC45FSL1H331J	CERAMIC 330PF J		
C60			CF92FV1H104J	MF 0.10UF J		
C61			CC45FSL1H101J	CERAMIC 100PF J		
C62			CK45FF1H223Z	CERAMIC 0.022UF Z		
C63			CF92FV1H223J	MF 0.022UF J		
C64 ,65			CK45FB1H471K	CERAMIC 470PF K		
C66			CK45FB1H102K	CERAMIC 0.001UF K		
C67			CF92FV1H104J	MF 0.10UF J		
C68			CC45FSL1H331J	CERAMIC 330PF J		
C69 ,70			CE04HW1HR47M	NP-ELEC 0.47UF 50WV		
C71 ,72			CC45FSL1H470J	CERAMIC 47PF J		
C73			CF92FV1H103J	MF 0.010UF J		
C74			CE04FW1H010M	ELECTR0 1UF 50WV		
C75			CE04FW1C100M	ELECTR0 10UF 16WV		
C76			CF92FV1H473J	MF 0.047UF J		
C77			CK45FF1H223Z	CERAMIC 0.022UF Z		
C78 ,79			CE04FW1C100M	ELECTR0 10UF 16WV		
C80			CF92FV1H563J	MF 0.056UF J		
C81			CC45FSL1H151J	CERAMIC 150PF J		
C82			CK45FF1H223Z	CERAMIC 0.022UF Z		
C83			CF92FV1H223J	MF 0.022UF J		
C84			CC45FSL1H820J	CERAMIC 82PF J		
C85 ,86			CK45FB1H102K	CERAMIC 0.001UF K		
C87			CK45FF1H223Z	CERAMIC 0.022UF Z		
C88 -91			CE04FW1C330M	ELECTR0 33UF 16WV		
L1			L40-1001-14	SMALL FIXED INDUCTOR		
L2 -4			L40-1511-14	SMALL FIXED INDUCTOR		
R24		*	RS14KB3D121J	FL-PROOF RS 120 J 3D		
R31		*	RS14KB2H1R0J	FL-PROOF RS 1.0 J 2H		
R49		*	RS14KB3D470J	FL-PROOF RS 47 J 3D		
R57		*	RS14KB2H1R0J	FL-PROOF RS 1.0 J 2H		
R58 ,59		*	RS14KB3A180J	FL-PROOF RS 18 J 3A		

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R72 ,73 R80 R92 R230 VR1 ,2		*	RS14KB3A121J RS14KB3D220J RS14KB3D330J R90-0234-05 R12-1053-05	FL-PROOF RS 120 J 3A FL-PROOF RS 22 J 3D FL-PROOF RS 33 J 3D MULTI-COMP 10KX7 J 2B TRIM. POT. 4.7K (FOCUS/TRACKING)		
D1 D1 D6 ,7 D6 ,7 D8 ,9			GMA01 1S5176 GMA01 1S5176 RD5.1E(B2)	DIODE DIODE DIODE DIODE ZENER DIODE		
D10 ,11 D12 -15 D12 -15 D16 ,17 D18		*	DSM1A1 GMA01 1S5176 MB513A RD5.1E(B2)	DIODE DIODE DIODE VARISTOR ZENER DIODE		
D19 -25 D19 -25 D26 D26 D27 -36			GMA01 1S5176 1S1555 1S2076 GMA01	DIODE DIODE DIODE DIODE DIODE		
D27 -36 D37 D37 D38 -42 D38 -42			1S5176 1S1555 1S2076 GMA01 1S5176	DIODE DIODE DIODE DIODE DIODE		
D43 D43 D44 -46 D44 -46 IC1			1S1555 1S2076 GMA01 1S5176 AN6555	DIODE DIODE DIODE DIODE IC		
IC2 IC3 IC4 IC5 -7 IC8		*	TA7256P AN6555 TA7256P TC40HD04P AN6555	IC IC IC IC IC		
IC9 IC10 IC10 IC11,12 IC13		*	TC5050P AN6913 TA75393S AN6555 AN6913	IC IC IC IC IC		
IC13 IC14 IC15 IC16 Q1		*	TA75393S AN6555 T7001-0007 TC5067BP 2SC1685(R,S)	IC IC IC IC TRANSISTOR		
Q1 Q1 Q1 Q2 Q4		*	2SC1815(Y,GR) 2SC2320(E,F) 2SC945(A)(Q,P) 2SC287B 2SK30A-TM	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR FET		
Q4 Q6 Q6 Q7 ,8 Q9			2SK301(Q,R) 2SK30A-TM 2SK301(Q,R) 2SC287B 2SK30A-TM	FET FET FET TRANSISTOR FET		

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Q9			2SK301 (Q,R)	FET		
Q10			2SD571 (L,K)	TRANSISTOR		
Q11		*	2SB605 (L,K)	TRANSISTOR		
Q12			2SK30A-TM	FET		
Q12			2SK301 (Q,R)	FET		
Q13			2SC1685 (R,S)	TRANSISTOR		
Q13		*	2SC1815 (Y,GR)	TRANSISTOR		
Q13			2SC2320 (E,F)	TRANSISTOR		
Q13			2SC945 (A) (Q,P)	TRANSISTOR		
Q14			2SK30A-TM	FET		
Q14			2SK301 (Q,R)	FET		
Q15			2SD571 (L,K)	TRANSISTOR		
Q16		*	2SB605 (L,K)	TRANSISTOR		
Q17			2SK30A-TM	FET		
Q17			2SK301 (Q,R)	FET		
Q18 ,19			2SC2878	TRANSISTOR		
Q20		*	2SK125 (3,4)	FET		
Q21			2SC1685 (R,S)	TRANSISTOR		
Q21		*	2SC1815 (Y,GR)	TRANSISTOR		
Q21			2SC2320 (E,F)	TRANSISTOR		
Q21			2SC945 (A) (Q,P)	TRANSISTOR		
Q22			2SC2878	TRANSISTOR		
Q23			2SC1685 (R,S)	TRANSISTOR		
Q23		*	2SC1815 (Y,GR)	TRANSISTOR		
Q23			2SC2320 (E,F)	TRANSISTOR		
Q23			2SC945 (A) (Q,P)	TRANSISTOR		
Q24			2SA1015 (Y,GR)	TRANSISTOR		
Q24			2SA1127NC (R,S)	TRANSISTOR		
Q24			2SA733 (A) (Q,P)	TRANSISTOR		
Q24			2SA999 (E,F)	TRANSISTOR		
Q25 ,26			2SK30A-TM	FET		
Q25 ,26			2SK301 (Q,R)	FET		
Q27			2SC1685 (R,S)	TRANSISTOR		
Q27		*	2SC1815 (Y,GR)	TRANSISTOR		
Q27			2SC2320 (E,F)	TRANSISTOR		
Q27			2SC945 (A) (Q,P)	TRANSISTOR		
Q28 ,29			2SA1015 (Y,GR)	TRANSISTOR		
Q28 ,29			2SA1127NC (R,S)	TRANSISTOR		
Q28 ,29			2SA733 (A) (Q,P)	TRANSISTOR		
Q28 ,29			2SA999 (E,F)	TRANSISTOR		
Q30			2SC2878	TRANSISTOR		
Q31 ,32			2SA1015 (Y,GR)	TRANSISTOR		
Q31 ,32			2SA1127NC (R,S)	TRANSISTOR		
Q31 ,32			2SA733 (A) (Q,P)	TRANSISTOR		
Q31 ,32			2SA999 (E,F)	TRANSISTOR		
Q33			2SK170 (BL)	FET		
SIGNAL PROCESS UNIT (X32-1010-11)						
C1			CE04FW1V471M	ELECTRO	470UF	35WV
C2			CE04FW0J471M	ELECTRO	470UF	6.3WV
C3		*	C90-1279-05	ELECTRO	2200UF	25WV
C4		*	C90-1286-05	ELECTRO	4700UF	16WV
C5 ,6			CE04FW0J471M	ELECTRO	470UF	6.3WV
C7		*	C90-1286-05	ELECTRO	4700UF	16WV
C8 ,9		*	C90-1280-05	ELECTRO	3300UF	25WV

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C10 -13 C14 C15 C16 -18 C19			CK45FF1H223Z CC45FSL1H330J CC45FSL1H330J CK45FF1H223Z CK45FB1H102K	CERAMIC 0.022UF Z CERAMIC 33PF J CERAMIC 33PF J CERAMIC 0.022UF Z CERAMIC 0.001UF K		
C20 C21 C21 C21 C22		*	CC45FSL1H680J CF92FV1H824J C91-0699-05 C91-0699-05 CC45FSL1H151J	CERAMIC 68PF J MF 0.82UF J CERAMIC 0.1UF J CERAMIC 0.1UF J CERAMIC 150PF J	E KPUMX TT2	
C23 C24 C25 C26 C27			CC45FSL1H390J CK45FB1H821K CF92FV1H473J CK45FB1H681K CK45FF1H223Z	CERAMIC 39PF J CERAMIC 820PF K MF 0.047UF J CERAMIC 680PF K CERAMIC 0.022UF Z		
C28 C29 -31 C32 C33 C34		*	CE04FW1C100M CK45FF1H223Z CC45FSL1H221J CF92FV1H334J CK45FB1H332K	ELECTR0 10UF 16WV CERAMIC 0.022UF Z CERAMIC 220PF J MF 0.33UF J CERAMIC 3300PF K		
C35 C36 C37 C38 ,39 C40		*	CE04FW1C100M CE04FW1V4R7M CE04FW1C100M CK45FF1H223Z CE04FW1C100M	ELECTR0 10UF 16WV ELECTR0 4.7UF 35WV ELECTR0 10UF 16WV CERAMIC 0.022UF Z ELECTR0 10UF 16WV		
C41 C42 C44 C45 ,46 C47 ,48			CE04FW1C470M CE04FW1A470M C91-0699-05 CK45FB1H471K CK45FF1H223Z	ELECTR0 47UF 16WV ELECTR0 47UF 10WV CERAMIC 0.1UF J CERAMIC 470PF K CERAMIC 0.022UF Z	E	
C49 ,50 C51 ,52 C53 ,54 C55 ,56 C57 ,58			CE04FW1V4R7M CE04HW1H2R2M CE04FW1C101M CF92FV1H332J CF92FV1H103J	ELECTR0 4.7UF 35WV NP-ELEC 2.2UF 50WV ELECTR0 100UF 16WV MF 3300PF J MF 0.010UF J	E E E	
C98 C99 C100 C102 C103,104			CE04FW1V4R7M CE04FW1C100M CK45FF1H103Z CE04FW1C101M C91-0699-05	ELECTR0 4.7UF 35WV ELECTR0 10UF 16WV CERAMIC 0.01UF Z ELECTR0 100UF 16WV CERAMIC 0.1UF J		
△ C105,106 C107 C108 C109,110 C197-200			C91-0647-05 CK45FF1H223Z CE04FW1H3R3M CK45F1H103Z C91-0699-05	CERAMIC 0.01UF P CERAMIC 0.022UF Z ELECTR0 3.3UF 50WV CERAMIC 0.01UF Z CERAMIC 0.1UF J	E	
C201 C202 C203 C204 C205		*	CF92FV1H473J CE04FW1H2R2M CE04FW1H2R2M CF92FV1H474J CE04HW1H4R7M	MF 0.047UF J ELECTR0 2.2UF 50WV ELECTR0 2.2UF 50WV MF 0.47UF J NP-ELEC 4.7UF 50WV		
C206 C207 C208 C209 C210			CF92FV1H224J CF92FV1H224J CE04FW1V4R7M CK45FB1H102K CC45FSL1H470J	MF 0.22UF J MF 0.22UF J ELECTR0 4.7UF 35WV CERAMIC 0.001UF K CERAMIC 47PF J		

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C211 C212,213 C214 C215 C216,217		*	CC45FSL1H470J C91-0178-05 CE04FW1H010M CE04FW1H010M CE04FW1HR22M	CERAMIC 47PF J POLYSTY 1500PF J ELECTRO 1UF 50WV ELECTRO 1UF 50WV ELECTRO 0.22UF 50WV		
C218 C219 C220,221 C222 C223			CE04W1HR22M CE04FW1HR22M C91-0172-05 CE04FW1HR47M CE04FW1HR47M	ELECTRO 0.22UF 50WV ELECTRO 0.22UF 50WV POLYSTY 33PF K ELECTRO 0.47UF 50WV ELECTRO 0.47UF 50WV		
C224-227 C228,229 C230,231 C232,233 C234,235		*	CE04FW1HR22M CQ93HP2A472J C91-0175-05 C91-0097-05 CE04HW1E100M	ELECTRO 0.22UF 50WV MYLAR 4700PF J POLYSTY 56PF K POLYSTY 560PF J NP-ELEC 10UF 25WV		
150 150 150 151	2B 2B 2B 1D		E11-0103-05 E11-0103-05 E11-0331-05 E13-0223-05	PHONE JACK PHONE JACK PHONE JACK PHONE JACK	KPUMX TE T2	
L1 L2 L3 L4 LPF1,2		*	L32-0292-05 L39-0114-05 L39-0115-05 L79-0190-05 L79-0191-05	OSCILLATING COIL PEAKING COIL PEAKING COIL LINE FILTER ACTIVE FILTER		
X1 X2		*	L77-0586-05 L77-0587-05	CRYSTAL RESONATOR CRYSTAL RESONATOR		
-			N09-0321-05	TAPPING SCREW		
R53 R54 R95 R96 R97		*	R90-0279-05 R90-0234-05 R90-0292-05 R90-0234-05 R90-0281-05	MULTIPLE RESISTOR MULTI-COMP 10KX7 J 2B MULTIPLE RESISTOR MULTI-COMP 10KX7 J 2B MULTIPLE RESISTOR		
R112 R201 R202 VR1 VR2 -4		*	R90-0228-05 RS14KB3A101J R90-0281-05 R13-3015-05 R12-3085-05	MULTI-COMP 10KX5 J 2B FL-PROOF RS 100 J 3A MULTIPLE RESISTOR SLIDE POT. 10K (HEADPHONES) TRIMMING POT. 10K		
RL1			S51-2056-05	MAGNETIC RELAY		
D1 ,2 D1 ,2 D1 ,2 D3 D4		*	1B4B41 1D4B41 1G4B41 RD13E(B2) 1S2076A	DIODE DIODE DIODE ZENER DIODE DIODE		
D5 D6 D9 D9 D11 -14		*	1SV147 RDB. 2E(B2) GMA01 1SS176 GMA01	VARISTOR ZENER DIODE DIODE DIODE DIODE		
D11 -14 D15 D16 -18 D16 -18 D19			1SS176 1S2076 GMA01 1SS176 RDS. 1E(B2)	DIODE DIODE DIODE DIODE ZENER DIODE		

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D21			RD8. 2J(B2)	ZENER DIODE		
D22		*	RD7. 5J(B3)	ZENER DIODE		
D23		*	E-352	CONSTANT CURRENT DIODE		
D24		*	RD7. 5J(B3)	ZENER DIODE		
D25		*	E-352	CONSTANT CURRENT DIODE		
D26			GMA01	DIODE		
D26			1SS176	DIODE		
D27			RD10J(B2)	ZENER DIODE		
D28 -34			GMA01	DIODE		
D28 -34			1SS176	DIODE		
IC1		*	AN7805*1	IC		
IC1		*	UPC7805H*1	IC		
IC2		*	AN7905T*1	IC		
IC2		*	UPC7905H*1	IC		
IC3		*	AN7805*1	IC		
IC3		*	UPC7805H*1	IC		
IC4		*	AN7912T*1	IC		
IC4		*	UPC7912H*1	IC		
IC5		*	AN7812*1	IC		
IC5		*	UPC7812H*1	IC		
IC6		*	TC9179F	IC		
IC7		*	MB8418-20LPF	IC		
IC8		*	TC9178F	IC		
IC9		*	TD6315P	IC		
IC10		*	TC40H000P	IC		
IC11		*	TC4094BP	IC		
IC12		*	MB88201-P-115K	IC		
IC13		*	TC4572BP	IC		
IC14		*	MB8414EM-G	IC		
IC14		*	MSM5114-2RS	IC		
IC14		*	MSM5114P-2RS	IC		
IC14		*	TC5514P	IC		
IC14		*	UPD444C-0	IC		
IC15		*	TMP4740N-5909	IC		
IC16		*	UPC311C	IC		
IC17		*	UPC1373H	IC		
IC17		*	UPC1373HA	IC		
IC18		*	UPC78L08	IC		
IC19			NJM4560D-N	IC		
IC20		*	AN7905T	IC		
IC20		*	UPC7905H	IC		
IC21		*	CX-20017	IC		
IC22, 23		*	TL072CP-T	IC		
IC24-26		*	UPD4053BC	IC		
IC27		*	NE5532P	IC		
Q1			2SC2878	TRANSISTOR		
Q2			2SC1685(R,S)	TRANSISTOR		
Q2			2SC1815(Y,GR)	TRANSISTOR		
Q2			2SC2320(E,F)	TRANSISTOR		
Q2			2SC945(A)(Q,P)	TRANSISTOR		
Q3		*	2SC1923(Y)	TRANSISTOR		
Q4			2SC945(A)(P,K)	TRANSISTOR		
Q5			2SA1015(Y,GR)	TRANSISTOR		
Q5			2SA1127NC(R,S)	TRANSISTOR		
Q5			2SA733(A)(Q,P)	TRANSISTOR		

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Q5			2SA999(E,F)	TRANSISTOR		
Q6		*	DTA114F	TRANSISTOR		
Q6		*	UN4111	TRANSISTOR		
Q7			2SK170(V)	FET		
Q8			2SK105(H)	FET		
Q9 ,10		*	2SK152(J)	FET		
Q11 ,12			2SC1685(R,S)	TRANSISTOR		
Q11 ,12			2SC1815(Y,GR)	TRANSISTOR		
Q11 ,12			2SC2320(E,F)	TRANSISTOR		
Q11 ,12			2SC945(A)(Q,P)	TRANSISTOR		
Q13 ,14			2SC1685(R,S)	TRANSISTOR		
Q13 ,14			2SC1815(Y,GR)	TRANSISTOR		
Q13 ,14			2SC2320(E,F)	TRANSISTOR		
Q13 ,14			2SC945(A)(Q,P)	TRANSISTOR		
Q15			2SA1015(Y,GR)	TRANSISTOR		
Q15			2SA1127NC(R,S)	TRANSISTOR		
Q15			2SA733(A)(Q,P)	TRANSISTOR		
Q15			2SA999(E,F)	TRANSISTOR		
Q17			2SK163(K)	FET		
Q18			2SK163(N)	FET		
MECHANISM UNIT (D40-0299-05)						
1	1E,1F		N29-0072-08	PUSH RIVET		
3	1E,1F		N35-2606-46	BINDING SCREW		
5	1E		J25-4402-08	FG PC BOARD		
6	2E		N19-0872-08	POLYSLIDER WASHER		
7	2E		J90-0136-08	GUIDE RING		
8	2E		G01-1467-08	CONICAL SPRING		
10	2E		T42-0041-08	DISK MOTOR ASSY		
11	2E,2F		N35-2612-46	BINDING SCREW		
12	2E,2F		J42-0115-08	BUSHING		
13	2E,1F		N30-2006-46	PAN HEAD SCREW		
14	2E,2F		G13-0157-08	RUBBER CUSHION		
17	2E		D23-0187-08	BEARING		
19	3E		D13-0145-08	GEAR ASSY		
20	3E		G02-0153-08	LEAF SPRING		
21	2E		D13-0146-08	GEAR		
22	2E		N35-2605-46	BINDING SCREW		
23	3E		J19-2127-08	MOTOR HOLDER		
24	3E		G02-0154-08	LEAF SPRING		
25	3E		G02-0155-08	LEAF SPRING		
26	3E		T42-0042-08	TRAVEL MOTOR		
28	3E		A10-0744-08	CHASSIS CALKED ASSY		
31	1E		N89-2004-46	BINDING SCREW		
32	1E		B09-0042-08	CAP(CRAMP)		
33	1F		N09-1355-08	SPECIAL SCREW		
35	1E		T50-1016-08	YORK(CRAMP)		
36	1E		T99-0221-08	MAGNET(CRAMP)		
37	1E		J11-0064-08	CRAMP		
38	2E		J91-0234-08	PICKUP		
45	1F		G01-1468-08	TENSION SPRING		
46	1F		N35-2610-46	BINDING SCREW		
47	1F		G01-1469-08	TENSION SPRING		
49	1F		G01-1470-08	TENSION SPRING		
50	1F		N24-3015-45	E RING		
53	1F		D13-0147-08	GEAR(CRAMP)		

E: Scandinavia & Europe H: Audio Club K: USA

P: Canada

T2 : Silver type

S: South Africa

T: England

U: PX(Far East, Hawaii)

UE: AAFES(Europe)

X: Australia

M: Other Areas

△ indicates safety critical components.

PARTS LIST

★ New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
54	1F		N24-3030-05	E RING		
55	1F		N35-3004-46	BINDING SCREW		
57	2F		G01-1471-08	TENSION SPRING		
59	2F		J42-0116-08	BUSH		
60	2F		D14-0100-08	ROLLER		
61	2F		N35-2008-46	BINDING SCREW		
62	2F		N77-2608-45	SET SCREW		
63	2F		N15-1030-46	WASHER		
64	2F		N09-1356-08	SPECIAL SCREW		
65	2F		N19-0366-04	POLYSLYDER WASHER		
66	2F		D13-0148-08	GEAR(B)		
67	2F		D13-0149-08	GEAR(C)		
68	3F		D13-0150-08	GEAR(E)		
69	3F		D13-0151-08	GEAR ASSY		
70	3E		D13-0152-08	GEAR(A)		
71	3E		N35-2604-46	BINDING SCREW		
73	3E		J30-0191-08	SPACER		
74	3E		T42-0043-08	MOTOR ASSY		
78	3G, 3H		N09-1357-08	SPECIAL SCREW		
79	3H		G02-0156-08	LEAF SPRING		
80	3H		D13-0153-08	GEAR		
81	3G		N24-3020-45	E RING		
82	3H		D13-0154-08	GEAR		
83	3G		D21-1038-08	SHAFT		
85	3G		J25-4405-08	PC BOARD(EJECT SW)		
86	3G		N35-2606-46	BINDING SCREW		
88	2G		N14-0074-05	CS RING		
90	2G		G01-1472-08	TENSION SPRING		
91	1G		J99-0023-08	TRAY(B)		
93	1H		J99-0022-08	TRAY(A)		
94	1H		G01-1473-08	TENSION SPRING		
95	3H		N35-2610-46	BINDING SCREW		
96	2H		N32-2604-41	BINDING SCREW		
98	2H		G13-0158-08	CUSHION		
100	1F, 2E		N15-1026-46	WASHER		
101	1F		N35-2006-46	BINDING SCREW		
102	3E		G02-0157-08	LEAF SPRING		
105	2G		N32-2003-41	FLAT SCREW		
S001-003	1F, 2E		S46-1042-08	LEAF SWITCH		
S004	3G		S40-1087-08	PUSHBUTTON SWITCH		

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S: South Africa T: England U: PX(Far East, Hawaii)

UE: AAFES(Europe) X: Australia M: Other Areas

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